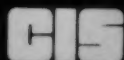


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OREGON VITAL STATISTICS

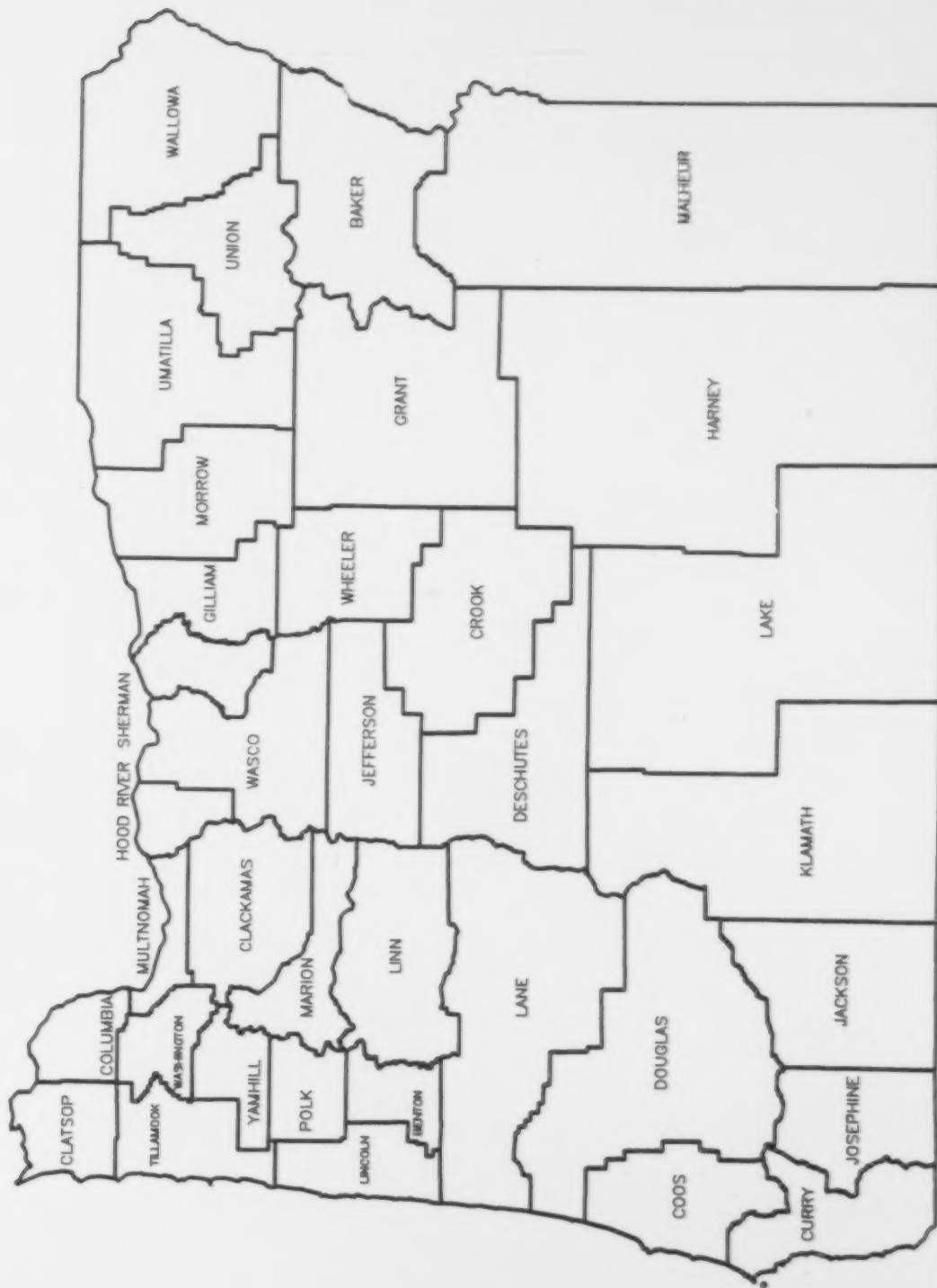


HEALTH DIVISION

OREGON DEPARTMENT OF HUMAN RESOURCES

1400 S.W. 5th Avenue
Portland, OR 97201

OREGON COUNTIES



**OREGON
VITAL STATISTICS
REPORT**

FOR CALENDAR YEAR

1987

OREGON DEPARTMENT OF HUMAN RESOURCES
HEALTH DIVISION
HEALTH STATUS MONITORING
CENTER FOR HEALTH STATISTICS

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PREFACE

The Oregon Center for Health Statistics' annual report, Oregon Vital Statistics, presents data about birth, death, marriage, divorce, and morbidity. Narrative and graphics highlight a number of important demographic and public health issues. Readers can research their own areas of interest by using the data in seventy-eight tables and referring to the section "Technical Notes: How to Use Vital Statistics." While the Oregon Vital Statistics Report summarizes annual data, other reports go into more detail on specific issues. (Recent publications are listed on the back inside cover.)

The presentation of data in this book is only the final stage of a long process. The prompt and accurate recording of vital events is a complicated community service which receives little public recognition until an individual finds he or she has need of the records or the information they contain. The registration system serves two purposes. First, these vital documents are collected, kept safe, and made available to individuals and their families when needed for documentation of the events in which they were personally involved. Second, our complex society has a need to know about health and social changes occurring in our state. Vital Statistics has frequently been called "the eyes and ears of public health". In fact, it is the only organized system of health records covering the entire population. The collection is a highly cooperative endeavor in which a great many people play an important part.

Providers of Services

The providers of the services associated with vital events are the first people involved in the collection system. The birth attendant is responsible for completing both the legal document and the confidential, statistical section of the birth certificate. The death and fetal death certificate must be filed by the funeral director or person who first assumes responsibility for the body. A physician completes the medical portion of these death certificates, except in the case of found bodies and unnatural deaths, which are certified by the medical examiner. Hospital medical records personnel also play an important role in assuring that all certificates are completed and accurate. These service providers then file the completed certificates with the county registrars in the county where the event occurred. Abortions and communicable diseases are treated differently. The providers of induced abortions file the completed statistical reports (which contain no identifying information) directly with the State Registrar. Physicians report cases of communicable diseases to the Disease Monitoring and Control section of the Health Division.

County Officials

The county registrars play an important role in assuring the completion and accuracy of the birth, death, and fetal death registration. They check the certificates against other sources of information to make certain no events are missed. They also follow-up any incomplete items before sending the certificates to the State Registrar at the Center for Health Statistics. The county clerks perform a similar function for marriage and divorce certificates.

Center for Health Statistics

At the state level, the staff of the Center for Health Statistics perform additional completeness and accuracy checks. A field representative makes contacts with providers and county registrars, and clerical staff send letters seeking additional information about causes of death, birthweight, and the status of very small babies. Coders and data entry personnel turn the information into computerized data, while microfilers store the certificates so that certified copies can be made. The computerized statistical data is then retrieved by programmers, analyzed by researchers, and made available for demographic and public health needs.

Other States

Events relating to Oregon residents which occurred in another state are included in this report. The Centers for Health Statistics in each U.S. state and the Provinces of Canada have traditionally agreed to send copies of birth, death and fetal death certificates to the locality where the individual usually resided. A cooperative agreement is also in place for reports on induced termination of pregnancy (abortion), however, some states collect no resident information on these reports and therefore cannot participate in the exchange. There is no exchange program for marriage and divorce certificates.

Who among all these people is the vital recorder? The answer is -- all of them. The invisible person who records the major life events of our population is really many people who have all played important roles in presenting this report.

TABLE OF CONTENTS

		Page
SECTION	1 QUICK REFERENCE.....	1
SECTION	2 NATALITY.....	21
SECTION	3 FETAL DEATHS.....	61
SECTION	4 MORTALITY.....	69
SECTION	5 MARRIAGE AND DIVORCE.....	145
SECTION	6 MORBIDITY.....	163
SECTION	7 POPULATION.....	181
SECTION	8 TECHNICAL NOTES: HOW TO USE VITAL STATISTICS.....	189

FIGURES

Figure	1 - 1.	Live Birth Rates, Oregon and U.S., 1945-1987.....	5
Figure	1 - 2.	Neonatal Death Rates, Oregon and U.S., 1975-1987.....	7
Figure	1 - 3.	Divorce to Marriage Ratio, Oregon vs. U.S., 1975-1987.....	10
Figure	2 - 1.	Rates of Inadequate Prenatal Care, Oregon and U.S., 1975-1987.....	22
Figure	2 - 2.	Unwed Birth Ratios, Oregon and U.S., 1945-1987.....	24
Figure	2 - 3.	Percent of Out-of-Hospital Births, Oregon and U.S., 1965-1987.....	25
Figure	2 - 4.	Type of Delivery Attendant for Non-Hospital Oregon Births, 1980 vs. 1987.....	26
Figure	2 - 5.	Age Specific Birth Rates for Married Oregon Residents, 1950-1987.....	28
Figure	2 - 6.	Age-Specific Birth Rates for Unwed Mothers, Oregon Residents, 1950-1987.....	30
Figure	3 - 1.	Fetal Deaths per 1,000 Live Births by Age of Woman, Oregon Residents, 1987.....	61
Figure	3 - 2.	Perinatal Deaths per 1,000 live Births, Oregon Residents, 1975-1987.....	62
Figure	4 - 1.	Age-Specific Death Rates and Causes, Oregon Residents, 1975-1987.....	70
Figure	4 - 2.	Proportion of Deaths by Selected Age Groups, Oregon Residents, 1920-1987.....	71
Figure	4 - 3.	Percentage Change in the Death Rates of the Ten Leading Causes of Death Between 1980 and 1987, Oregon Residents.....	72
Figure	4 - 4.	Distribution of Malignant Neoplasms by Sex and Site, Oregon, 1987.....	73
Figure	4 - 5.	Total Death Rates, Heart Disease Death Rates, Malignant Neoplasm Death Rates, and Cerebrovascular Disease Death Rates, Oregon and USA, 1965-1987.....	74
Figure	4 - 6.	Accident Death Rates and Chronic Obstructive Respiratory Disease Death Rates, Oregon and USA, 1965-1987.....	75
Figure	4 - 7.	Percentage Difference in Cause-Specific Death Rates Between Oregon and the U.S., 1986 and 1987.....	76
Figure	4 - 8.	Percentage of Deaths by Cause and Age, Oregon Residents, 1987.....	77
Figure	4 - 9.	Median Age at Death for the Ten Leading Causes of Death, Oregon Residents, 1987.....	78
Figure	4 - 10.	Number of AIDS Deaths by Age During 1987 and Distribution by Year, 1983-1987, Oregon Residents.....	80
Figure	4 - 11.	Percentage Difference Between Oregon Neonatal and Postneonatal Death Rates Compared to the United States, Five-Year Moving Averages, 1945-1987.....	81
Figure	4 - 12.	The Ten Leading Causes of Death, Oregon Residents, 1987.....	83
Figure	4 - 13.	The Ten Leading Causes of Years of Potential Life Lost, Oregon Residents, 1987.....	83
Figure	4 - 14.	Age-Adjusted Death Rates by County, Oregon, 1978-1986.....	84
Figure	4 - 15.	Oregon Counties Ranked by Comparative Mortality Figures, 1978-1986.....	86
Figure	4 - 16.	Selected Death Statistics by Residence Area, Oregon, 1978-1986.....	87
Figure	5 - 1.	Marriage and Divorce Rates, Oregon, 1940-1987.....	145
Figure	5 - 2.	First Marriage Rates for Brides and Grooms, Selected Age Groups, 1970, 1980 & 1987.....	147
Figure	5 - 3.	Divorces and Annulments Involving Children Under 18 Years Old, Oregon, 1987.....	148

FIGURES, Continued

Figure 6 - 1.	Reported Gonorrhea Case Rate by Year, Oregon, 1945-1987.....	164
Figure 6 - 2.	Cases of Acquired Immunodeficiency Syndrome Reported in Oregon, 1981-1987.....	165
Figure 6 - 3.	Hepatitis A Cases in Oregon by Year of Report, 1978-1987.....	166

SUMMARY TABLES

Table 1 - 1.	Population, Live Births, Births to Unwed Mothers, Marriages and Divorces, U.S. 1945-1987.....	4
Table 1 - 2.	Deaths, Maternal Deaths, Infant Deaths, Neonatal Deaths, Fetal Deaths, U.S. 1945-1987.....	6
Table 1 - 3.	Population, Live Births, Births to Unwed Mothers, Marriages and Divorces, Oregon 1908-1987.....	8
Table 1 - 4.	Deaths, Maternal Deaths, Infant Deaths, Neonatal Deaths, Fetal Deaths, Oregon 1908-1987.....	11
Table 1 - 5.	Population, Live Births, Births to Unwed Mothers by County of Residence. Marriages and Divorces by County of Occurrence, Oregon, 1985.....	14
Table 1 - 6.	Deaths, Infant Deaths, Neonatal Deaths, Fetal Deaths by County of Residence, Oregon 1987.....	15
Table 1 - 7.	Population, Births and Deaths by City of Residence, Oregon 1987.....	16
Table 1 - 8.	Low Birthweight Rates, Rates of Inadequate Care, No Care, Late Care, Little Care, U.S. 1979-1987.....	17
Table 1 - 9.	Low Birthweight Rates, Rates of Inadequate Care, No Care, Late Care, Little Care, Oregon 1979-1987	17

NATALITY TABLES

Table 2 - 1.	Age Specific Birth Rates, Fertility Rates, and Total Fertility Rates, Oregon 1940, 1950, 1960, 1970, 1975-1987.....	27
Table 2 - 2.	Age Specific Birth Rates, Fertility Rates, and Total Fertility Rates for Unwed Mothers, Oregon 1950-1987.....	29
Table 2 - 3.	Resident Births by Age Group of Mother, Oregon 1955-1987.....	31
Table 2 - 4.	Resident Births by Race of Child, Oregon 1955-1987.....	32
Table 2 - 5.	Resident Births by Age of Mother and by Birthweight, Oregon 1987.....	33
Table 2 - 6.	Resident Births to Unwed Mothers by Age of Mother and Birth Weight, Oregon 1987.....	33
Table 2 - 7.	Births to Unwed Mothers by County of Residence, Oregon 1987.....	34
Table 2 - 8.	Resident Births by Age of Mother and Live Birth Order, Oregon 1987.....	35
Table 2 - 9.	Total Pregnancies by Type of Outcome and Age Groups, Oregon Residence/1, 1987.....	36
Table 2 - 10.	Resident Births by Age of Mother and County of Residence, Oregon 1987.....	37
Table 2 - 11.	Resident Births to Unwed Mothers by Age of Mother, Oregon 1987.....	38
Table 2 - 12.	Resident Births by Sex and Race of Child and County of Residence, Oregon, 1987.....	39
Table 2 - 13.	Births by County of Occurrence by Type of Institution and by Delivery Attendant, Oregon 1987.....	40
Table 2 - 14.	Low Birth Weight Infants by County of Residence, Oregon 1987.....	42
Table 2 - 15.	Resident Births by Race of Child and Birthweight, Oregon 1987.....	43
Table 2 - 16.	Congenital Malformations Reported on Birth Certificate by County of Residence, Oregon 1987.....	44
Table 2 - 17.	Total Births by County of Residence and Complications of Pregnancy, Oregon 1987.....	46

Table 2 - 18.	Total Births by County of Residence and Concurrent Illness During Gestation, Oregon 1987.....	48
Table 2 - 19.	Maternal Risk Factors by County of Residence, Oregon 1987.....	50
Table 2 - 20.	Risk Count Frequencies by County of Residence, Oregon 1987.....	51
Table 2 - 21.	Risk Count Percentages by County of Residence, Oregon 1987.....	52
Table 2 - 22.	Maternal Risk Factors by Race of Child, Oregon 1987.....	53
Table 2 - 23.	Inadequate Prenatal Care by Mother's Age, Oregon Residents, 1987.....	53
Table 2 - 24.	Inadequate Prenatal Care by Race of Child, Oregon Residents, 1987.....	54
Table 2 - 25.	Inadequate Prenatal Care by Education, Oregon Residents, 1987.....	54
Table 2 - 26.	Inadequate Prenatal Care by Birthweight, Oregon Residents, 1987.....	55
Table 2 - 27.	Inadequate Prenatal Care by County of Residence, Oregon 1987.....	56
Table 2 - 28.	Inadequate Prenatal Care for Unwed Mothers by County of Residence, Oregon 1987.....	57

FETAL DEATH TABLES

Table 3 - 1.	Fetal Deaths by Weeks of Gestation and Cause of Death, Oregon 1987.....	63
Table 3 - 2.	Fetal Deaths by Weeks of Gestation and Age of Mother, Oregon 1987.....	64
Table 3 - 3.	Fetal Deaths by Age of Mother and County of Residence, Oregon 1987.....	65

MORTALITY TABLES

Table 4 - 1.	Age Specific Death Rates by Sex, Oregon 1940, 1950, 1960, 1970, 1975-1987.....	88
Table 4 - 2.	Leading Causes of Death by Rank Order for Males and Females, Oregon 1987.....	89
Table 4 - 3.	Selected Leading Causes of Death with Rates, Oregon Residents 1965-1987.....	90
Table 4 - 4.	The Five Principal Causes of Death by Age Groups, Oregon Residents, 1987.....	92
Table 4 - 5.	Death by Marital Status, Sex and Age Groups, Oregon 1987.....	94
Table 4 - 6.	Resident Deaths for Selected Causes by Age and Sex, Oregon 1987.....	95
Table 4 - 7.	Age Specific Death Rates by Sex for Selected Causes by Age and Sex, Oregon 1987	107
Table 4 - 8.	Resident Deaths Due to or Mentioning External Factors, Oregon 1987.....	118
Table 4 - 9.	Resident Deaths from Suicide, Homicide, External Causes Undetermined Whether Accidentally or Purposely Inflicted by Age, Sex and Method, Oregon 1987.....	119
Table 4 - 10.	Resident Accidental Deaths by Type or Source of Injury, Age Groups and Sex, Oregon 1987.....	120
Table 4 - 11.	Deaths Occurring in Oregon by Type of Accident and by Age Groups 1987.....	121
Table 4 - 12.	Resident Infant Deaths by Cause and Age at Death, Oregon 1987.....	122
Table 4 - 13.	Infant Deaths by County of Residence and Age at Time of Death, Oregon 1987.....	123
Table 4 - 14.	Deaths by County of Residence by Age Groups and Sex, Oregon 1987.....	124
Table 4 - 15.	Leading Causes of Death by County of Residence of Deceased, Oregon 1987.....	126
Table 4 - 16.	Deaths by County of Residence by Sex and Race, Oregon 1987.....	128
Table 4 - 17.	Accidental Deaths by Principal Classes and County Accident, 1987.....	129
Table 4 - 18.	All Deaths and Medical Examiner's Cases by County of Occurrence and Autopsy, Oregon 1987.....	130
Table 4 - 19.	Deaths Occurring in Oregon by County of Residence and Disposal of Remains 1987.....	131
Table 4 - 20.	Deaths by Selected Causes with Rates for Oregon and Selected Cities, Oregon 1987.....	132
Table 4 - 21.	Deaths by Selected Causes with Rates by County of Residence, Oregon 1987.....	133
Table 4 - 22.	Deaths by Selected Causes with Rates by Race, Oregon 1987.....	142

MARRIAGE AND DIVORCE TABLES

Table 5 - 1.	Divorces and Annulments by Number of Minor Children (Under 18) Affected, Oregon 1987.....	149
Table 5 - 2.	Marriages and Divorces by Month of Occurrence, Oregon 1987.....	149
Table 5 - 3.	Marriages by Age Groups and Previous Marital Status of Groom, Oregon 1987.....	150
Table 5 - 4.	Marriages by Age Groups and Previous Marital Status of Bride, Oregon 1987.....	150
Table 5 - 5.	All Marriages and First Marriages for Both Bride and Groom by Age Groups, Oregon 1987.....	151
Table 5 - 6.	Marriages by County of Occurrence by Age Groups of Bride, Oregon 1987.....	152
Table 5 - 7.	Marriages by County of Occurrence by Age Groups of Groom, Oregon 1987.....	153
Table 5 - 8.	Divorces and Annulments by Age of Husband and Wife and Duration of Marriage, Oregon 1987.....	154
Table 5 - 9.	Divorces and Annulments by Age of Husband and Wife and Order of Marriage, Oregon 1987.....	155
Table 5 - 10.	Divorces by County of Occurrence, By Age Groups of Wife, Oregon 1987.....	156
Table 5 - 11.	Divorces by County of Occurrence by Age Groups of Husband, Oregon 1987.....	157
Table 5 - 12.	Divorces and Annulments by Duration of Marriage and Order of Marriage for Husband and Wife, Oregon 1987.....	158
Table 5 - 13.	Divorces and Annulments by State or Region Where Marriage Occurred by Duration of Marriage, Oregon 1987.....	159
Table 5 - 14.	Median Duration of Marriage Before Divorce, Oregon, 1978-1987.....	160

MORBIDITY TABLES

Table 6 - 1.	Reported Cases of Gonorrhea by Sex and Age Groups, Oregon 1982-1987.....	168
Table 6 - 2.	Reported Cases of Syphilis by Age Groups and Year, Oregon 1979-86.....	169
Table 6 - 3.	Reported Cases with Rates of Syphilis and Gonorrhea by Year, Oregon 1945-1987.....	170
Table 6 - 4.	Reported Cases of Syphilis and Gonorrhea by County of Residence and by Type of Infection, Oregon 1987.....	177
Table 6 - 5.	Reported Tuberculosis Cases and Deaths with Rates, Oregon 1950-1987.....	172
Table 6 - 6.	Cases of Reportable Diseases by Month of Report, Oregon 1987.....	173
Table 6 - 7.	Cases of Reportable Diseases by County of Residence, Oregon 1987.....	174
Table 6 - 8.	Hospitalized Fatal and Non-Fatal Injuries by Cause, Month of Admission, Six Counties, Oregon, 1987.....	176
Table 6 - 9.	Hospitalized Fatal and Non-Fatal Injuries by Age, Sex, and Month of Admission, Six Counties, Oregon, 1987.....	178

POPULATION TABLES

Table 7 - 1	Population Distribution by Age and Sex, Oregon 1950, 1960, 1970, 1975, 1978-1987.....	183
Table 7 - 2	Population Estimates by Age and Sex, Oregon, 1990, 1995 and 2000.....	185
Table 7 - 3	Preliminary Estimates of 5 Year Age Groups By Sex, Oregon and its Counties: July 1, 1987.....	186

TECHNICAL NOTES

Definitions.....	191
Step-by-Step Instructions.....	193
Formulas.....	202

QUICK REFERENCE

1

SUMMARY OF OREGON'S VITAL EVENTS, 1987

POPULATION	2,690,000	Population increased 1.1 percent.
LIVE BIRTHS Number Crude Rate Fertility Rate	Residents 38,674 14.4 61.1	Number and rates down for seventh year in row even after adjusting for number of women in childbearing years.
DEATHS Number Rate	Residents 24,181 9.0	Both the number of deaths and rate increased slightly.
MARRIAGES Number Rate	Occurrence 22,301 8.3	Marriages up in number while rate remains unchanged.
DIVORCES Number Rate	Occurrence 15,502 5.8	Number of divorces decreased. Divorce rate decreased slightly.
UNWED MOTHERS Number Ratio	Residents 8,659 223.9	Number of unwed mothers increased 8.7 percent. Proportion of unwed mothers to total births highest ever.
LOW-BIRTHWEIGHT INFANTS Number Rate	Residents 2,086 54.0	Number of low-birthweight infants increased. Rate increased 5 percent.
INFANT DEATHS Number Rate	Residents 402 10.4	Number and rate increased 9 percent.
NEONATAL DEATHS Number Rate	Residents 213 5.5	Both the number and rate increased.
MATERNAL DEATHS Number Ratio	Residents 2 5.2	Oregon's average maternal death rate for five years compares unfavorably with U.S. rate.
INDUCED ABORTIONS Number Ratio	Occurrence 11,147 278.7	Decline continued after a slight jump in 1984 when mandatory reporting was legislated.

Crude birth, death, marriage, and divorce rates are per 1,000 population; fertility rate per 1,000 15-44 year-old females; unwed mother ratio, low birth-weight rate, and infant and neonatal deaths rates, per 1,000 live resident births; maternal death ratio per 100,000 live resident births; induced abortion ratio per 1,000 live occurrence births.

TABLE 1-1. POPULATION, LIVE BIRTHS, BIRTHS TO UNWED MOTHERS, MARRIAGES, DIVORCES,
U.S., 1945-1987.

YEAR	POPULATION	LIVE BIRTHS		BIRTHS TO UNWED MOTHERS		MARRIAGES		DIVORCES	
		Number	Rate	Number	Ratio	Number	Rate	Number	Rate
1945	132,481,000	2,735,456	20.6	117,400	42.9	1,612,992	12.2	485,000	3.5
1946	140,054,000	3,288,672	23.5	125,200	38.1	2,291,045	16.4	610,000	4.3
1947	143,446,000	3,699,940	25.8	131,900	35.7	1,991,878	13.9	483,000	3.4
1948	146,093,000	3,535,068	24.2	129,700	36.7	1,811,155	12.4	408,000	2.8
1949	148,665,000	3,559,529	23.9	133,200	37.4	1,579,798	10.6	397,000	2.7
1950	150,697,361	3,554,149	23.6	141,600	39.8	1,667,231	11.1	385,144	2.6
1951	153,310,000	3,750,850	24.5	146,500	39.1	1,594,694	10.4	381,000	2.5
1952	155,687,000	3,846,986	24.7	150,300	39.1	1,539,318	9.9	392,000	2.5
1953	158,242,000	3,902,120	24.7	160,800	41.2	1,546,000	9.8	390,000	2.5
1954	161,164,000	4,017,362	24.9	176,600	44.0	1,490,000	9.2	379,000	2.4
1955	164,308,000	4,047,295	24.6	183,300	45.3	1,531,000	9.3	377,000	2.3
1956	167,306,000	4,163,090	24.9	193,500	46.5	1,585,000	9.5	382,000	2.3
1957	170,371,000	4,254,784	25.0	201,700	47.4	1,518,000	8.9	381,000	2.2
1958	173,320,000	4,203,812	24.3	208,700	49.6	1,451,000	8.4	368,000	2.1
1959	176,513,000	4,244,796	24.0	220,600	52.0	1,494,000	8.5	395,000	2.2
1960	179,323,175	4,257,850	23.7	224,300	52.7	1,523,000	8.5	393,000	2.2
1961	183,057,000	4,268,326	23.3	240,200	56.3	1,548,000	8.5	414,000	2.3
1962	185,890,000	4,167,362	22.4	245,000	58.8	1,577,000	8.5	413,000	2.2
1963	188,658,000	4,098,020	21.7	259,400	63.3	1,654,000	8.8	428,000	2.3
1964	191,371,000	4,027,490	21.0	275,700	68.5	1,725,000	9.0	450,000	2.4
1965	193,818,000	3,760,358	19.4	291,200	77.4	1,800,000	9.3	479,000	2.5
1966	195,857,000	3,606,274	18.4	302,400	83.9	1,857,000	9.5	499,000	2.5
1967	197,863,000	3,520,959	17.8	318,100	90.3	1,927,000	9.7	523,000	2.6
1968	199,861,000	3,501,564	17.6	339,200	96.9	2,069,000	10.4	584,000	2.9
1969	201,921,000	3,600,206	17.9	360,800	100.2	2,145,000	10.6	639,000	3.2
1970	203,211,926	3,731,368	18.4	398,700	106.9	2,158,802	10.6	708,000	3.5
1971	206,212,000	3,555,970	17.2	401,400	112.9	2,190,481	10.6	773,000	3.7
1972	209,284,000	3,258,411	15.6	403,200	123.7	2,282,154	10.9	845,000	4.0
1973	211,357,000	3,136,965	14.8	407,300	129.8	2,284,108	10.8	915,000	4.3
1974	213,342,000	3,159,958	14.8	418,100	132.3	2,229,667	10.5	977,000	4.6
1975	215,465,000	3,144,198	14.6	447,900	142.5	2,152,662	10.0	1,036,000	4.8
1976	217,563,000	3,167,788	14.6	468,100	147.8	2,154,807	9.9	1,083,000	5.0
1977	219,760,000	3,326,632	15.1	515,700	155.0	2,178,367	9.9	1,091,000	5.0
1978	222,095,000	3,333,279	15.0	543,900	163.2	2,282,272	10.3	1,130,000	5.1
1979	224,567,000	3,494,398	15.6	597,800	171.1	2,331,337	10.1	1,181,000	5.3
1980	226,504,825	3,612,258	15.9	665,747	184.3	2,390,252	10.6	1,189,000	5.2
1981	230,339,000	3,629,238	15.8	686,605	189.2	2,422,145	10.6	1,213,000	5.3
1982	231,500,000	3,680,537	15.9	715,277	194.3	2,456,278	10.6	1,170,000	5.0
1983	234,538,000	3,638,933	15.5	737,893	202.8	2,445,604	10.5	1,179,000	5.0
1984	236,681,000	3,669,141	15.5	770,355	210.0	2,477,192	10.5	1,169,000	4.9

TABLE 1-1. POPULATION, LIVE BIRTHS, BIRTHS TO UNWED MOTHERS, MARRIAGES, DIVORCES, U.S., 1945-1987. (Continued)

YEAR	POPULATION	LIVE BIRTHS		BIRTHS TO UNWED MOTHERS		MARRIAGES		DIVORCES	
		Number	Rate	Number	Ratio	Number	Rate	Number	Rate
1985	239,400,000	3,760,561	15.8	828,174	220.2	2,425,000	10.2	1,187,000	5.0
1986*	241,100,000	3,756,547	15.6	878,477	233.9	2,400,000	10.0	1,159,000	4.8
1987*	243,400,000	3,829,000	15.7	---	---	2,421,000	9.9	1,157,000	4.8

Rate per 1,000 population for live births, marriages and divorces.

Ratio per 1,000 live births for births to unwed mothers.

* Provisional data.

FIGURE 1-1.
LIVE BIRTH RATES,
OREGON AND THE U.S., 1945-1987

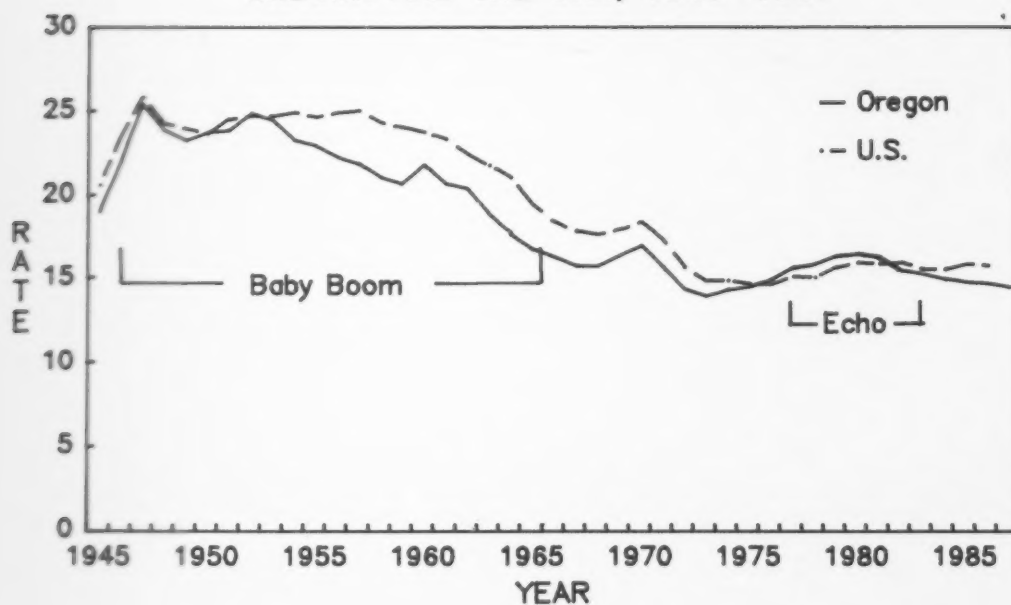


TABLE 1-2. DEATHS, MATERNAL DEATHS, INFANT DEATHS, NEONATAL DEATHS, FETAL DEATHS, U.S., 1945-1987.

YEAR	DEATHS		MATERNAL DEATHS		INFANT DEATHS		NEONATAL DEATHS		FETAL DEATHS	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
1945	1,401,719	10.6	5,668	207.2	104,684	38.3	66,593	24.3	65,513	23.9
1946	1,395,617	10.0	5,153	156.7	111,063	33.8	79,079	24.0	74,849	22.8
1947	1,445,370	10.1	4,978	134.5	119,173	32.2	84,296	22.8	77,917	21.1
1948	1,444,337	9.9	4,122	116.6	113,169	32.0	78,426	22.2	72,838	20.6
1949	1,443,607	9.7	3,216	90.3	111,531	31.3	76,326	21.4	70,584	19.8
1950	1,452,454	9.6	2,960	83.3	103,825	29.2	72,855	20.5	68,262	19.2
1951	1,482,099	9.7	2,812	75.0	106,702	28.4	75,192	20.0	70,569	18.8
1952	1,496,838	9.6	2,610	67.8	109,413	28.4	76,253	19.8	70,447	18.3
1953	1,517,541	9.6	2,385	61.1	108,405	27.8	76,332	19.6	69,393	17.8
1954	1,481,091	9.2	2,105	52.4	106,791	26.6	76,724	19.1	70,109	17.5
1955	1,528,717	9.3	1,901	47.0	106,903	26.4	77,351	19.1	69,153	17.1
1956	1,564,476	9.4	1,702	40.9	108,183	26.0	78,659	18.9	68,659	16.5
1957	1,633,128	9.6	1,746	41.0	112,094	26.3	81,088	19.1	69,561	16.3
1958	1,647,886	9.5	1,581	37.6	113,789	27.1	81,798	19.5	69,355	16.5
1959	1,656,814	9.4	1,588	37.4	112,008	26.4	80,778	19.0	68,613	16.2
1960	1,711,982	9.5	1,579	37.1	110,873	26.0	79,733	18.7	68,480	16.1
1961	1,701,522	9.3	1,573	36.9	107,956	25.3	78,482	18.4	68,767	16.1
1962	1,756,720	9.5	1,465	35.2	105,479	25.3	76,346	18.3	66,421	15.9
1963	1,813,549	9.6	1,466	35.8	103,390	25.2	74,648	18.2	64,640	15.8
1964	1,798,051	9.4	1,343	33.3	99,783	24.8	72,026	17.9	65,931	16.4
1965	1,828,136	9.4	1,189	31.6	92,866	24.7	66,419	17.7	60,859	16.2
1966	1,863,149	9.5	1,049	29.1	85,516	23.7	61,941	17.2	56,637	15.7
1967	1,851,323	9.4	987	28.0	79,028	22.4	58,127	16.5	54,934	15.6
1968	1,930,082	9.7	859	24.5	76,263	21.8	56,456	16.1	55,293	15.8
1969	1,921,990	9.5	801	22.2	75,073	20.9	56,085	15.6	50,749	14.1
1970	1,921,031	9.5	803	21.5	74,667	20.0	56,279	15.1	52,961	14.2
1971	1,927,542	9.3	668	18.8	67,981	19.1	50,496	14.2	47,818	13.4
1972	1,963,944	9.4	612	18.8	60,182	18.5	44,432	13.6	41,380	12.7
1973	1,973,003	9.3	477	15.2	55,581	17.7	40,664	13.0	38,309	12.2
1974	1,934,388	9.1	462	14.6	52,776	16.7	38,738	12.3	36,281	11.5
1975	1,892,879	8.8	403	12.8	50,525	16.1	36,416	11.6	33,796	10.7
1976	1,909,440	8.8	390	12.3	48,265	15.2	34,587	10.9	33,111	10.8
1977	1,899,597	8.6	373	11.2	46,975	14.1	32,860	9.9	33,052	9.9
1978	1,927,788	8.7	321	9.6	45,945	13.8	31,618	9.5	32,301	9.7
1979	1,913,841	8.5	336	9.6	45,665	13.1	30,980	8.9	32,969	9.4
1980	1,989,841	8.8	334	9.2	45,526	12.6	30,618	8.5	33,353*	9.2*
1981	1,977,981	8.6	309	8.5	43,305	11.9	28,000	7.8	32,596*	9.0*
1982	1,974,797	8.5	292	7.9	42,401	11.5	28,000	7.6	32,694*	8.9*
1983	2,019,201	8.6	290	8.0	40,627	11.2	26,507	7.3	30,752*	8.5*
1984	2,039,369	8.6	285	7.8	39,580	10.8	25,691	7.0	30,099*	8.2*

TABLE 1-2. DEATHS, MATARNAL DEATHS, INFANT DEATHS, NEONATAL DEATHS, FETAL DEATHS, U.S., 1945-1987.

YEAR	DEATHS		MATARNAL DEATHS		INFANT DEATHS		NEONATAL DEATHS		FETAL DEATHS	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
1985	2,084,000	8.7	295	7.8	40,030	10.6	26,179	7.0	---	---
1986*	2,099,000	8.7	250	6.7	38,360	10.4	24,620	6.7	---	---
1987*	2,127,000	8.7	240	6.3	38,380	10.0	24,940	6.5	---	---

Rate per 1,000 population for deaths.

Rate per 1,000 live births for infant, neonatal and fetal deaths.

Rate per 100,000 live births for maternal deaths.

* Provisional data.

FIGURE 1-2.

**NEONATAL DEATH RATES,
OREGON AND THE U.S., 1975-1987**

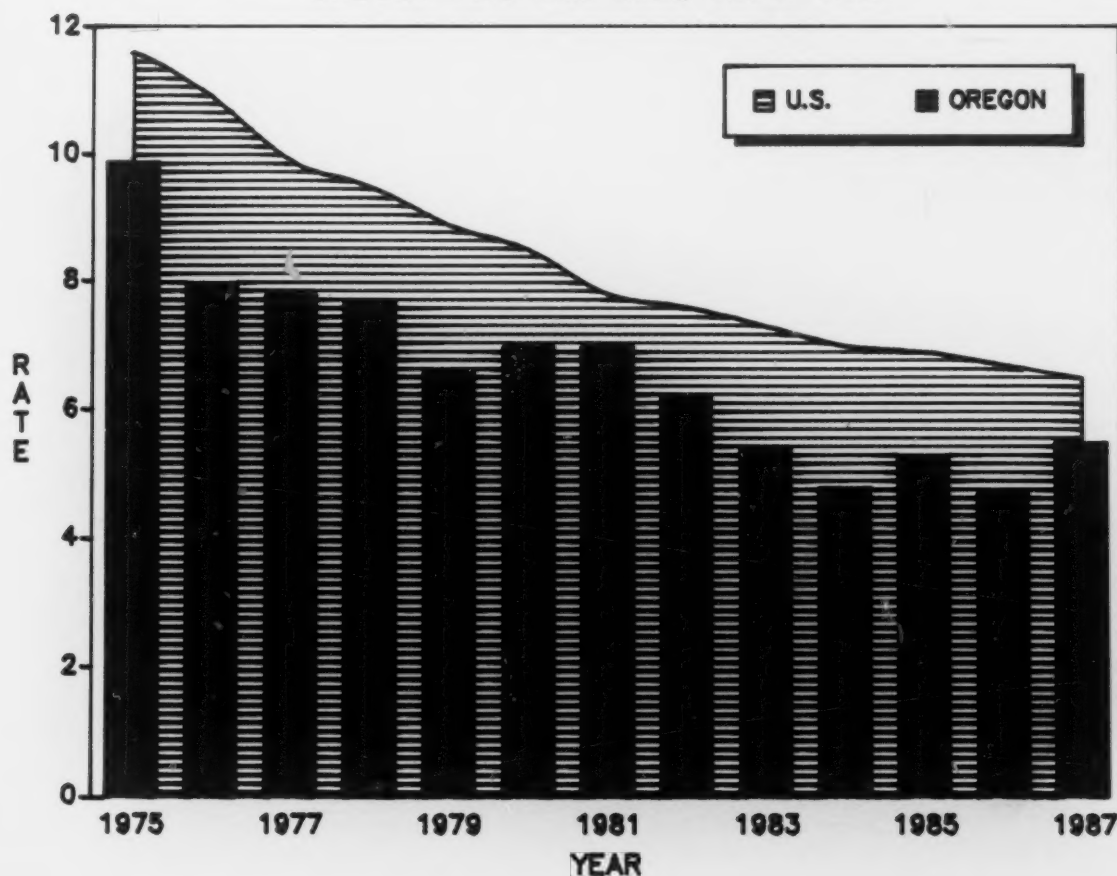


TABLE 1-3. POPULATION, LIVE BIRTHS, BIRTHS TO UNWED MOTHERS, MARRIAGES, DIVORCES, OREGON, 1908-1987.

YEAR	POPULATION	LIVE BIRTHS		BIRTHS TO UNWED MOTHERS		MARRIAGES		DIVORCES	
		Number	Rate	Number	Ratio	Number	Rate	Number	Rate
1908	621,109	8,322	13.3	---	---	---	---	---	---
1909	647,055	8,656	13.3	---	---	4,863	7.5	---	---
1910	673,002	9,176	13.6	---	---	5,541	8.2	---	---
1911	684,847	9,562	13.8	---	---	6,846	9.9	---	---
1912	696,692	11,189	16.0	---	---	6,613	9.4	---	---
1913	708,537	11,033	15.5	---	---	5,382	7.5	---	---
1914	720,382	11,624	16.1	---	---	5,170	7.1	---	---
1915	732,226	12,232	16.7	---	---	4,983	6.8	---	---
1916	744,071	12,960	17.4	---	---	5,396	7.2	---	---
1917	755,916	13,147	17.4	---	---	6,196	8.2	---	---
1918	767,761	13,295	17.3	---	---	5,281	6.9	---	---
1919	779,606	13,638	17.5	---	---	6,605	8.5	---	---
1920	791,701	14,954	18.8	---	---	7,557	9.5	---	---
1921	808,325	15,607	19.3	---	---	7,643	9.4	---	---
1922	824,949	15,087	18.3	---	---	6,691	8.1	---	---
1923	841,573	14,992	17.8	---	---	7,151	8.4	---	---
1924	858,197	15,818	18.4	---	---	6,937	8.1	---	---
1925	874,800	15,579	17.8	---	---	6,999	8.0	---	---
1926	891,400	14,929	16.7	---	---	7,160	8.0	3,128	3.5
1927	908,100	14,637	16.1	---	---	7,392	8.1	3,149	3.5
1928	924,700	14,159	15.3	---	---	7,625	8.2	3,090	3.3
1929	941,300	13,244	14.1	---	---	8,243	8.7	3,197	3.4
1930	958,450	13,473	14.1	---	---	7,678	8.0	2,825	2.9
1931	967,200	13,227	13.7	---	---	7,346	7.6	2,417	2.5
1932	980,600	12,845	13.1	---	---	6,668	6.8	1,728	1.8
1933	994,000	12,228	12.3	---	---	5,715	5.7	1,844	1.9
1934	1,007,400	13,071	13.0	---	---	6,237	6.2	2,248	2.2
1935	1,020,800	13,143	12.9	---	---	6,795	6.7	2,304	2.3
1936	1,034,100	14,119	13.7	---	---	7,433	7.2	2,578	2.5
1937	1,047,500	15,495	14.8	---	---	7,602	7.3	2,718	2.6
1938	1,061,000	16,333	15.4	---	---	6,734	6.3	3,162	3.0
1939	1,074,000	16,727	15.6	---	---	4,902	4.6	3,422	3.2
1940	1,093,000	17,522	16.0	237	13.5	5,998	5.5	3,543	3.2
1941	1,107,000	18,784	17.0	229	12.2	7,445	6.7	4,122	3.7
1942	1,148,500	22,283	19.4	247	11.1	8,768	7.6	4,725	4.1
1943	1,167,200	25,380	21.7	328	12.9	9,272	7.9	5,643	4.8
1944	1,221,000	23,444	19.2	407	17.4	8,675	7.1	6,619	5.4

TABLE 1-3. POPULATION, LIVE BIRTHS, BIRTHS TO UNWED MOTHERS, MARRIAGES, DIVORCES, OREGON, 1908-1987. (Continued)

YEAR	POPULATION	LIVE BIRTHS		BIRTHS TO UNWED MOTHERS		MARRIAGES		DIVORCES	
		Number	Rate	Number	Ratio	Number	Rate	Number	Rate
1945	1,227,200	23,339	19.0	504	21.6	9,764	8.0	7,949	6.5
1946	1,347,900	29,566	21.9	517	17.5	14,674	10.9	10,241	7.6
1947	1,423,300	36,190	25.4	608	16.8	12,881	9.1	6,707	4.7
1948	1,470,800	34,937	23.8	575	16.5	12,373	8.4	6,405	4.4
1949	1,511,200	35,062	23.2	502	14.3	10,746	7.1	6,274	4.2
1950	1,521,341	35,991	23.7	667	18.5	11,300	7.4	5,943	3.9
1951	1,568,000	37,317	23.8	623	16.7	10,118	6.5	6,133	3.9
1952	1,602,100	39,752	24.8	780	19.6	9,998	6.2	6,311	3.9
1953	1,636,800	39,866	24.4	772	19.4	10,502	6.4	6,373	3.9
1954	1,662,680	38,550	23.2	909	23.6	9,567	5.8	6,130	3.7
1955	1,690,840	38,678	22.9	880	22.8	10,632	6.3	6,158	3.6
1956	1,734,650	38,432	22.2	958	24.9	10,568	6.1	5,827	3.4
1957	1,737,470	37,828	21.8	1,088	28.8	9,961	5.7	5,261	3.0
1958	1,728,550	36,295	21.0	1,091	30.1	9,896	5.7	5,452	3.2
1959	1,777,000	36,634	20.6	1,217	33.2	10,166	5.7	6,009	3.4
1960	1,768,687	38,347	21.7	1,250	32.6	10,590	6.0	5,711	3.2
1961	1,816,345	37,475	20.6	1,433	38.2	10,798	5.9	6,023	3.3
1962	1,825,138	36,983	20.3	1,499	40.5	11,122	6.1	6,074	3.3
1963	1,856,190	34,863	18.8	1,708	49.0	11,786	6.3	6,180	3.3
1964	1,906,000	33,500	17.6	1,754	52.4	12,297	6.5	6,486	3.4
1965	1,972,150	32,955	16.7	2,094	63.5	13,252	6.7	6,219	3.2
1966	1,999,780	32,446	16.2	2,330	71.8	13,981	7.0	6,764	3.4
1967	2,006,360	31,446	15.7	2,478	78.8	14,401	7.2	7,603	3.8
1968	2,050,900	32,136	15.7	2,831	88.1	16,125	7.9	8,258	4.0
1969	2,081,640	33,834	16.3	3,000	88.7	16,874	8.1	8,643	4.2
1970	2,091,385	35,353	16.9	2,912	82.4	17,302	8.3	9,583	4.6
1971	2,143,010	33,344	15.6	2,603	78.1	18,100	8.4	10,687	5.0
1972	2,183,270	31,308	14.3	2,552	81.5	19,265	8.8	11,706	5.4
1973	2,224,900	30,902	13.9	2,599	84.1	19,661	8.8	12,382	5.6
1974	2,266,000	32,506	14.3	2,984	91.8	20,002	8.8	13,538	6.0
1975	2,299,000	33,352	14.5	3,382	101.4	19,322	8.4	15,526	6.8
1976	2,341,750	34,840	14.9	3,825	109.8	19,182	8.2	16,070	6.9
1977	2,396,100	37,467	15.6	4,596	122.7	20,303	8.5	16,372	6.8
1978	2,472,000	38,964	15.8	5,279	135.5	21,055	8.5	16,965	6.9
1979	2,544,000	41,564	16.3	5,599	134.7	22,063	8.7	17,584	6.9

TABLE 1-3. POPULATION, LIVE BIRTHS, BIRTHS TO UNWED MOTHERS, MARRIAGES, DIVORCES, OREGON, 1908-1987. (Continued)

YEAR	POPULATION	LIVE BIRTHS		BIRTHS TO UNWED MOTHERS		MARRIAGES		DIVORCES	
		Number	Rate	Number	Ratio	Number	Rate	Number	Rate
1980	2,633,105	43,091	16.4	6,360	147.6	23,004	8.7	17,762	6.7
1981	2,660,435	42,974	16.2	6,384	148.6	22,904	8.6	17,697	6.7
1982	2,656,185	41,012	15.4	6,484	158.1	24,186	9.1	16,792	6.3
1983	2,634,993	39,949	15.2	6,467	161.0	23,346	8.9	16,173	6.1
1984	2,660,000	39,536	14.9	6,861	173.5	23,074	8.7	15,631	5.9
1985	2,675,800	39,419	14.7	7,385	187.3	22,408	8.4	15,736	5.9
1986	2,659,500	38,850	14.6	7,999	205.9	22,015	8.3	15,774	5.9
1987	2,690,000	38,674	14.4	8,659	223.9	22,301	8.3	15,602	5.8

Rate per 1,000 population for live births, marriages and divorces.
Ratio per 1,000 live births for births to unwed mothers.

FIGURE 1-3.

**DIVORCE TO MARRIAGE RATIO,
OREGON AND THE U.S., 1975-1987**

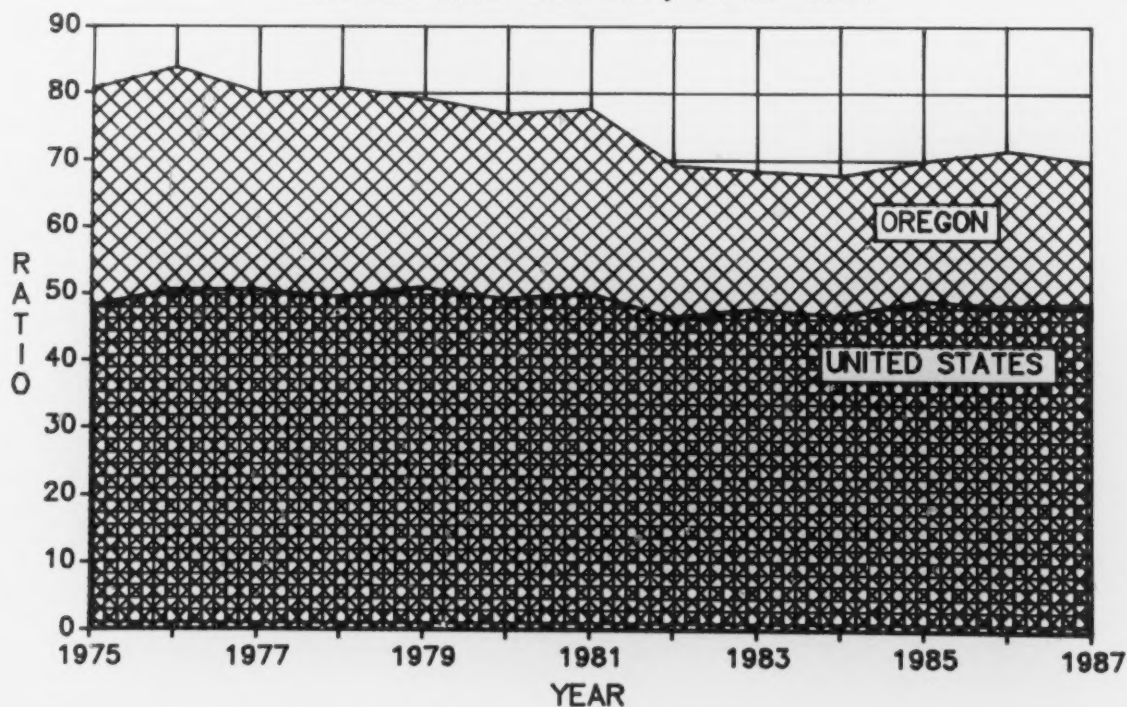


TABLE 1-4. DEATHS, MATERNAL DEATHS, INFANT DEATHS, NEONATAL DEATHS, FETAL DEATHS, OREGON, 1908-1987.

YEAR	DEATHS		MATERNAL DEATHS		INFANT DEATHS		NEONATAL DEATHS		FETAL DEATHS	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
1908	4,970	8.0	59	709.0	676	81.2	---	---	---	---
1909	5,470	8.4	70	808.7	756	80.7	---	---	---	---
1910	6,089	9.0	91	991.7	733	79.9	---	---	---	---
1911	6,360	9.2	91	951.7	753	78.7	---	---	---	---
1912	5,898	8.4	63	563.1	653	58.6	---	---	---	---
1913	6,714	9.4	60	543.8	684	61.9	---	---	---	---
1914	6,446	8.9	72	619.4	577	49.6	---	---	---	---
1915	6,718	9.1	74	605.0	583	47.6	---	---	---	---
1916	7,107	9.5	88	679.0	725	55.9	---	---	---	---
1917	7,349	9.7	87	661.7	837	63.6	---	---	---	---
1918	9,842	12.8	106	797.3	907	68.2	---	---	---	---
1919	8,881	11.4	101	740.6	845	61.9	---	---	---	---
1920	9,186	11.6	112	749.0	927	61.9	---	---	---	---
1921	8,324	10.2	117	749.7	791	50.6	---	---	---	---
1922	9,381	11.3	115	762.2	886	58.7	---	---	---	---
1923	8,983	10.6	103	687.0	853	56.9	---	---	---	---
1924	9,511	11.1	94	594.3	834	52.7	---	---	---	---
1925	9,596	10.9	95	609.8	787	50.5	---	---	---	---
1926	9,885	11.1	85	569.4	769	51.5	---	---	---	---
1927	10,222	11.2	91	621.7	693	47.3	---	---	---	---
1928	10,493	11.3	86	607.4	651	46.0	---	---	410	29.0
1929	10,680	11.3	75	566.3	633	47.7	---	---	415	31.4
1930	10,544	11.0	81	601.2	671	49.8	---	---	390	28.9
1931	10,245	10.6	61	461.2	578	43.7	---	---	360	27.2
1932	10,272	10.5	64	498.2	530	41.3	---	---	322	25.1
1933	10,450	10.5	64	523.4	493	40.3	---	---	329	26.9
1934	10,539	10.5	79	604.4	519	39.7	---	---	320	24.5
1935	11,429	11.2	72	547.8	537	40.8	---	---	300	22.8
1936	12,434	12.0	77	545.4	626	44.3	409	29.0	300	21.5
1937	12,369	11.8	56	361.4	649	41.9	415	26.8	340	22.4
1938	11,777	11.1	53	324.5	631	38.6	418	25.6	353	21.6
1939	11,779	11.0	43	257.1	580	34.7	381	22.8	322	19.3
1940	12,329	11.3	45	256.8	592	33.2	413	23.6	365	20.8
1941	12,123	10.9	43	228.9	589	30.7	397	20.9	333	17.7
1942	12,520	10.9	37	166.0	669	30.0	456	20.4	362	16.2
1943	13,440	11.5	37	145.8	776	30.6	466	18.4	---	---
1944	12,580	10.3	41	147.9	706	30.1	504	21.5	454	19.4

TABLE 1-4. DEATHS, MATERNAL DEATHS, INFANT DEATHS, NEONATAL DEATHS, FETAL DEATHS, OREGON, 1908-1987. (Continued)

YEAR	DEATHS		MATERNAL DEATHS		INFANT DEATHS		NEONATAL DEATHS		FETAL DEATHS	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
1945	12,325	10.0	29	124.3	660	28.3	473	20.3	402	17.2
1946	12,828	9.5	28	94.7	803	27.2	594	20.1	515	17.4
1947	13,460	9.5	35	96.7	896	24.8	645	17.8	562	15.5
1948	13,872	9.4	15	42.9	892	25.5	671	19.2	508	14.5
1949	13,698	9.1	20	57.0	862	24.6	661	18.9	488	13.9
1950	13,888	9.1	22	61.1	816	22.7	627	17.4	493	13.7
1951	14,489	9.2	5	13.4	883	23.7	637	17.1	498	13.3
1952	14,438	9.0	11	27.7	951	23.9	696	17.5	500	12.6
1953	14,598	8.9	15	37.6	938	23.5	680	17.1	524	13.1
1954	14,665	8.8	9	23.3	868	22.5	632	16.4	512	13.3
1955	15,303	9.1	8	20.7	934	24.1	681	17.6	497	12.8
1956	15,328	8.8	11	28.6	887	23.1	645	16.8	504	13.1
1957	15,633	9.0	8	21.1	828	21.9	587	15.5	499	13.2
1958	15,449	8.9	6	16.5	844	23.3	597	16.4	448	12.3
1959	16,699	9.4	9	24.6	927	25.3	664	18.1	469	12.8
1960	16,787	9.5	14	36.5	891	23.2	635	16.6	493	12.9
1961	16,885	9.3	8	21.3	861	23.0	604	16.1	454	16.1
1962	17,221	9.4	7	18.9	811	21.9	554	15.0	461	12.5
1963	18,017	9.7	7	20.1	747	21.4	551	15.8	410	11.8
1964	18,138	9.5	4	11.9	754	22.5	532	15.9	402	12.0
1965	18,133	9.2	1	3.0	696	21.1	477	14.5	421	12.8
1966	18,979	9.5	3	9.2	697	21.5	506	15.6	387	11.9
1967	18,908	9.4	4	12.7	616	19.6	436	13.9	395	12.6
1968	19,017	9.3	3	9.3	637	19.8	460	14.3	365	11.4
1969	19,548	9.4	4	11.8	592	17.5	410	12.1	194	1/
1970	19,530	9.3	5	14.1	555	15.7	381	10.8	486	13.7
1971	20,087	9.4	5	15.0	615	18.4	416	12.5	408	12.2
1972	20,216	9.3	5	16.0	528	16.9	359	11.5	391	12.5
1973	20,881	9.4	1	3.2	466	15.1	329	10.6	312	10.1
1974	20,320	9.0	3	9.2	488	15.0	330	10.2	266	8.2
1975	20,142	8.8	3	9.0	502	15.1	330	9.9	284	8.5
1976	20,459	8.7	-	-	444	12.7	277	8.0	280	8.0
1977	20,457	8.5	5	13.3	453	12.1	293	7.8	283	7.6
1978	20,870	8.4	2	5.1	502	12.9	299	7.7	302	7.8
1979	21,024	8.3	1	2.4	450	10.8	276	6.6	307	7.4

Rate per 1,000 population for deaths.

Rate per 1,000 live births for infant, neonatal and fetal deaths.

Rate per 100,000 live births for maternal deaths.

TABLE 1-4. DEATHS, MATERNAL DEATHS, INFANT DEATHS, NEONATAL DEATHS, FETAL DEATHS, OREGON, 1908-1987. (Continued)

YEAR	DEATHS		MATERNAL DEATHS		INFANT DEATHS		NEONATAL DEATHS		FETAL DEATHS	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
1980	21,756	8.3	1	2.3	521	12.1	303	7.0	294	6.8
1981	21,798	8.2	3	7.0	466	10.8	299	7.0	298	6.9
1982	21,594	8.1	8	19.5	433	10.6	253	6.2	253	6.2
1983	22,361	8.5	6	15.0	385	9.6	215	5.4	268	6.7
1984	23,101	8.7	4	10.1	388	9.8	190	4.8	257	6.5
1985	23,824	8.9	4	10.1	387	9.8	211	5.3	237	6.0
1986	23,328	8.8	4	10.3	368	9.5	183	4.7	268	6.9
1987	24,181	9.0	2	5.2	402	10.4	213	5.5	222	5.7

1/ Incomplete total.

TABLE 1-5. POPULATION, LIVE BIRTHS, BIRTHS TO UNMARRIED MOTHERS BY COUNTY OF RESIDENCE. MARRIAGES, DISSOLUTION OF MARRIAGES, BY COUNTY OF OCCURRENCE, OREGON, 1987

COUNTY	ESTIMATED POPULATION 7/1/87	LIVE BIRTHS		BIRTHS TO UNMARRIED MOTHERS		MARRIAGES		DISSOLUTION OF MARRIAGES	
		NUMBER	RATE	NUMBER	RATIO	NUMBER	RATE	NUMBER	RATE
TOTAL	2,690,000	38,674	14.4	8,659	223.9	22,301	8.3	15,602	5.8
BAKER	15,300	198	12.9	32	161.6	106	6.9	102	6.7
BENTON	69,200	876	12.7	101	115.3	429	6.2	312	4.5
CLACKAMAS	255,100	3,289	12.9	525	159.6	1,947	7.6	988	3.9
CLATSOP	33,100	446	13.5	93	208.5	360	10.9	225	6.8
COLUMBIA	36,100	467	12.9	107	229.1	252	7.0	414	11.5
COOS	57,500	754	13.1	179	237.4	524	9.1	365	6.3
CROOK	13,500	175	13.0	25	142.9	135	10.0	83	6.1
CURRY	17,200	233	13.5	41	176.0	179	10.4	91	5.3
DESCHUTES	65,600	943	14.4	192	203.6	641	9.8	236	3.6
DOUGLAS	93,000	1,358	14.6	323	237.8	838	9.0	516	5.5
GILLIAM	1,850	14	7.6	0	0	8	4.3	6	3.2
GRANT	8,350	111	13.3	16	144.1	52	6.1	66	7.8
HARNEY	7,200	102	14.2	12	117.6	45	6.2	40	5.6
HOOD RIVER	16,500	265	16.1	36	135.8	175	10.6	466	28.2
JACKSON	141,700	1,882	13.3	461	245.0	1,174	8.3	758	5.3
JEFFERSON	11,800	272	23.1	91	334.6	111	9.4	68	5.8
JOSEPHINE	61,700	802	13.0	209	260.6	480	7.8	691	11.2
KLAMATH	56,900	846	14.9	207	244.7	403	7.1	390	6.9
LAKE	7,300	110	15.1	23	209.1	57	7.8	49	6.7
LANE	267,700	3,739	14.0	886	237.0	2,319	8.7	2,091	7.8
LINCOLN	37,600	469	12.5	124	264.4	466	12.4	203	5.4
LINN	87,000	1,249	14.4	316	253.0	801	9.2	479	5.5
MALHEUR	26,500	431	16.3	92	213.5	181	6.8	141	5.3
MARION	214,500	3,312	15.4	793	239.4	1,909	8.9	900	4.2
MORROW	8,000	126	15.8	20	158.7	56	7.0	37	4.6
MULTNOMAH	562,000	8,481	15.1	2,367	279.1	5,009	8.9	3,016	5.4
POLK	45,800	654	14.3	133	203.4	238	5.2	549	12.0
SHERMAN	2,100	20	9.5	2	100.0	6	2.9	7	3.3
TILLAMOOK	21,000	204	9.7	49	240.2	179	8.5	304	14.5
UMATILLA	58,100	941	16.2	253	268.9	441	7.6	339	5.8
UNION	23,300	309	13.3	59	190.9	165	7.1	61	2.6
WALLOWA	7,150	75	10.5	7	93.3	60	8.4	29	4.1
WASCO	20,400	290	14.2	77	265.5	189	9.3	109	5.3
WASHINGTON	280,000	4,381	15.6	619	141.3	1,870	6.7	1,119	4.0
WHEELER	1,400	10	7.1	1	100.0	13	9.3	9	6.4
YAMHILL	58,400	840	14.4	188	223.8	483	8.3	343	5.9

NOTE: RATE PER 1,000 POPULATION FOR LIVE BIRTHS, MARRIAGES, AND DISSOLUTION OF MARRIAGES
NOTE: RATIO PER 1,000 LIVE BIRTHS FOR BIRTHS TO UNMARRIED MOTHERS

TABLE 1-6. DEATHS, INFANT DEATHS, NEONATAL DEATHS, FETAL DEATHS,
BY COUNTY OF RESIDENCE, OREGON, 1987

COUNTY OF RESIDENCE	DEATHS		INFANT DEATHS		NEONATAL DEATHS		FETAL DEATHS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL.....	24,181	9.0	402	10.4	213	5.5	221	5.7
BAKER.....	169	11.0	0	.0	0	.0	1	5.1
BENTON.....	402	5.8	5	5.7	5	5.7	2	2.3
CLACKAMAS..	2,000	7.8	33	10.0	22	7.0	16	4.9
CLATSOP....	308	9.3	4	9.0	1	2.2	2	4.5
COLUMBIA....	323	8.9	6	12.8	3	6.4	3	6.4
COOS.....	605	10.5	7	9.3	4	5.3	1	1.3
CROOK.....	134	9.9	3	17.1	2	11.4	2	11.4
CURRY.....	197	11.5	5	21.5	3	12.9	3	12.9
DESCHUTES..	542	8.3	11	11.7	4	4.2	3	3.2
DOUGLAS....	887	9.5	11	8.1	6	4.4	16	11.8
GILLIAM....	14	7.6	0	.0	0	.0	-	-
GRANT.....	53	6.2	2	18.0	2	18.0	-	-
HARNEY.....	74	10.3	2	19.6	0	.0	2	19.6
HOOD RIVER..	152	9.2	0	.0	0	.0	4	15.1
JACKSON....	1,334	9.4	12	6.4	5	2.7	16	8.5
JEFFERSON..	114	9.7	6	22.1	3	11.0	1	3.7
JOSEPHINE..	702	11.4	10	12.5	7	8.7	5	6.2
KLAMATH....	493	8.7	9	10.6	5	5.9	2	2.4
LAKE.....	63	8.6	1	9.1	0	.0	-	-
LANE.....	2,249	8.4	36	9.6	21	5.6	26	7.0
LINCOLN....	430	11.4	3	6.4	3	6.4	1	2.1
LINN.....	813	9.3	20	16.0	9	7.2	4	3.2
MALHEUR....	240	9.1	5	11.6	3	7.0	1	2.3
MARION.....	1,994	9.3	39	11.8	17	5.4	15	4.5
MORROW.....	64	8.0	1	7.9	1	7.9	-	-
MULTNOMAH..	5,743	10.2	88	10.4	40	4.7	44	5.2
POLK.....	405	8.8	6	9.2	2	3.1	8	12.2
SHERMAN....	7	3.3	0	.0	0	.0	-	-
TILLAMOOK..	261	12.4	6	29.4	2	9.8	5	24.5
UMATILLA...	538	9.3	11	11.7	7	7.4	2	2.1
UNION.....	188	8.1	3	9.7	0	.0	2	6.5
WALLOWA....	49	6.9	1	13.3	1	13.3	1	13.3
WASCO.....	250	12.3	1	3.4	1	3.4	1	3.4
WASHINGTON.	1,873	6.7	46	10.5	26	5.9	27	6.2
WHEELER....	15	10.7	0	.0	0	.0	-	-
YAMHILL....	496	8.5	9	10.7	8	9.5	5	6.0

NOTE: RATE PER 1,000 POPULATION FOR DEATHS

NOTE: RATE PER 1,000 LIVE BIRTHS FOR INFANT, NEONATAL, AND FETAL
DEATHS

TABLE 1-7. POPULATION, BIRTHS AND DEATHS BY CITY OF RESIDENCE, OREGON, 1987.

CITY OF RESIDENCE	ESTIMATED POPULATION 7/1/87	BIRTHS		DEATHS	
		Number	Rate	Number	Rate
Albany (Linn, Benton)	28,060	478	16.8	272	9.7
Ashland (Jackson)	16,010	168	10.5	144	9.0
Beaverton (Washington)	36,235	868	24.0	341	9.4
Bend (Deschutes)	18,700	343	18.3	164	8.8
Coos Bay (Coos)	14,290	276	19.3	179	12.5
Corvallis (Benton)	41,800	567	13.6	245	5.9
Eugene (Lane)	107,485	1,519	14.1	867	8.1
Forest Grove (Washington)	12,000	215	17.9	144	12.0
Grants Pass (Josephine)	16,200	298	18.4	262	16.2
Gresham (Multnomah)	55,530	612	11.0	307	5.5
Hillsboro (Washington)	31,390	596	19.0	222	7.1
Keizer (Marion)	19,925	202	10.1	141	7.1
Klamath Falls (Klamath)	17,125	313	18.3	169	9.9
LaGrande (Union)	11,435	164	14.3	109	9.5
Lake Oswego (Multnomah, Clackamas, Washington)	26,985	299	11.1	177	6.6
Lebanon (Linn)	10,265	182	17.7	124	12.1
McMinnville (Yamhill)	15,875	237	14.9	131	8.3
Medford (Jackson)	43,875	763	17.4	470	10.7
Milwaukie (Clackamas)	18,435	469	25.4	286	15.5
Newberg (Yamhill)	11,295	219	19.4	105	9.3
Oregon City (Clackamas)	14,770	311	21.1	160	10.8
Pendleton (Umatilla)	14,610	193	13.2	146	10.0
Portland (Multnomah, Clackamas, Washington)	419,810	6,106	14.5	4,509	10.7
Roseburg (Douglas)	15,930	293	18.4	259	16.3
Salem (Marion, Polk)	95,375	1,826	19.1	1,070	11.2
Springfield (Lane)	40,600	880	21.7	369	9.1
The Dalles (Wasco)	10,265	174	17.0	168	16.4
Tigard (Washington)	23,335	452	19.4	204	8.7
Tualatin (Washington)	11,690	208	17.8	40	3.4
West Linn (Clackamas)	13,660	179	13.1	80	5.9
Woodburn (Marion)	11,990	238	19.8	187	15.6

Cities of 10,000 or more population listed.

Counties listed in parenthesis.

Population Source: Center for Population Research and Census, Portland State University, July 1, 1987.

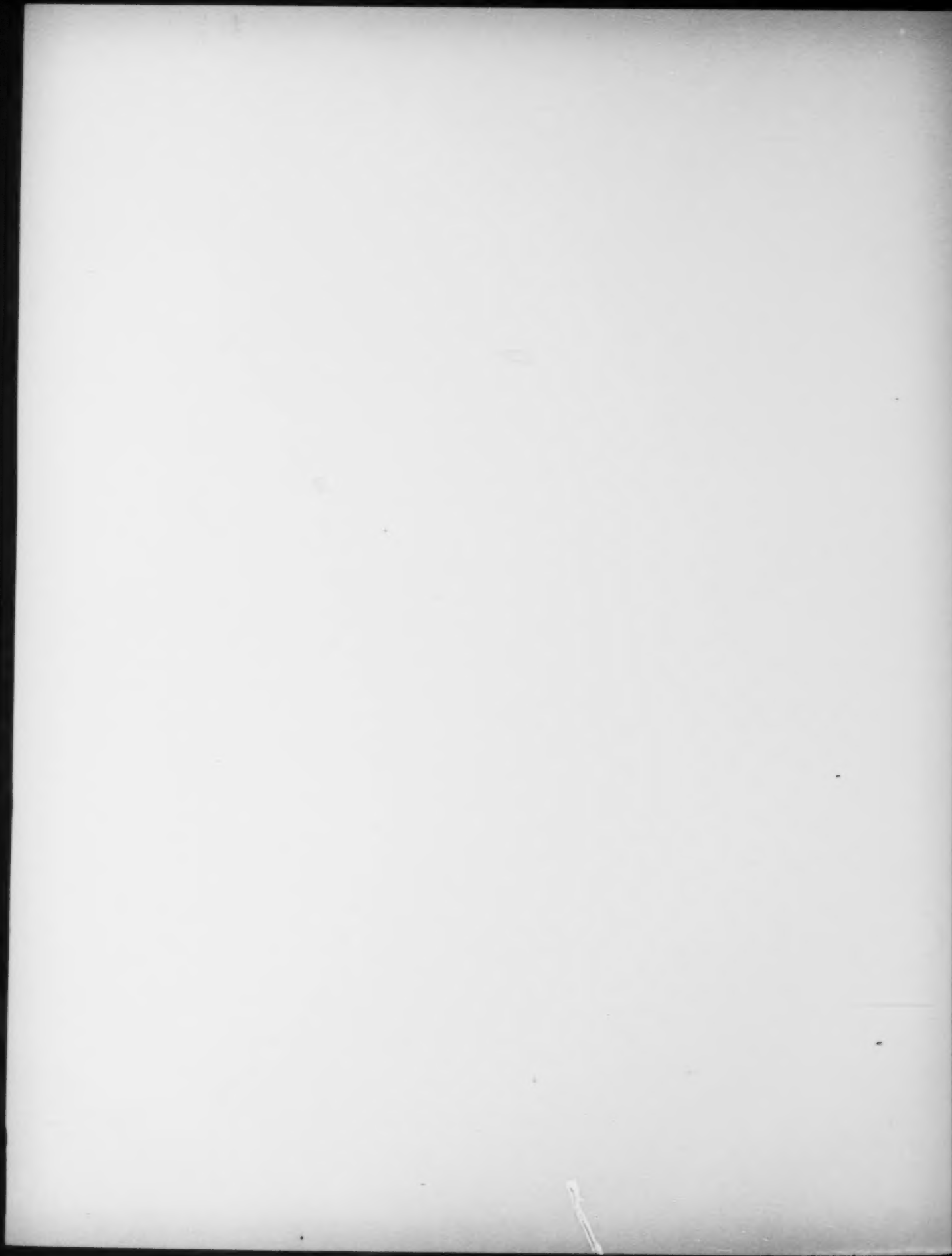
TABLE 1-8. U.S. RATES OF LOW BIRTHWEIGHT, NO CARE, INADEQUATE CARE, THIRD TRIMESTER CARE, AND LESS THAN FIVE PRENATAL VISITS, 1977-1986.

U.S. YEAR	LOW BIRTH- WEIGHT RATE	NO CARE	INADEQUATE CARE/1 RATE	THIRD TRIMESTER CARE	LESS THAN FIVE VISITS
1977	70.6	11.4	83.7	40.0	69.4
1978	70.9	13.5	79.0	38.3	67.7
1979	70.9	11.3	80.1	36.2	63.5
1980	68.2	13.2	84.6	37.2	66.9
1981	68.0	13.8	84.6	37.5	66.4
1982	67.3	15.5	88.3	39.0	69.8
1983	68.1	16.6	86.8	38.3	67.9
1984	67.1	16.7	85.5	38.6	66.7
1985	67.4	16.6	85.6	39.7	65.5
1986	68.0	18.9	87.1	40.2	66.4

TABLE 1-9. OREGON RATES OF LOW BIRTHWEIGHT, NO CARE, INADEQUATE CARE, THIRD TRIMESTER CARE, AND LESS THAN FIVE PRENATAL VISITS, 1977-1987.

OREGON YEAR	LOW BIRTH- WEIGHT RATE	NO CARE	INADEQUATE CARE/1 RATE	THIRD TRIMESTER CARE	LESS THAN FIVE VISITS
1977	51.8	8.3	68.6	39.4	47.0
1978	50.9	8.4	66.9	39.1	45.5
1979	51.2	6.0	66.2	40.0	44.7
1980	50.4	5.4	58.0	34.6	40.5
1981	48.5	8.7	63.1	38.0	42.0
1982	49.2	11.2	70.3	40.8	47.8
1983	50.0	11.2	66.5	38.5	44.8
1984	51.5	11.0	68.2	41.0	46.0
1985	51.3	12.0	72.9	43.6	47.4
1986	51.3	13.4	83.3	52.0	54.4
1987	54.0	16.5	86.2	50.3	58.4

1/ Inadequate prenatal care is defined as care that began in the third trimester or consisted of less than five visits.



NATALITY



NATALITY

Number of Births Declines

The trend towards fewer births by Oregon resident women continued in 1987 with the births of 38,674 infants. Since 1980, when Oregon recorded its highest number of births, both the number of babies born and the crude birth rate have fallen.

Changes in birth patterns are measured over decades and generations. The women from the much talked-about "baby boom" generation, born between 1946 and 1964, are now passing through their peak years for childbearing. From 1977 to 1983, Oregon experienced what is referred to as an "echo boom" (Figure 1-1). Since 1983, however, the live birth rate has declined 5.3 percent (Table 1-3).

Oregon's crude birth rate of 14.4 per 1,000 population in 1987 is 8.3 percent lower than the 1987 U.S. crude rate of 15.7. The fertility rate is a reflection of the number of births to women of childbearing age. It is based on the number of births per 1,000 women age 15 to 44. Oregon's 1987 fertility rate of 60.9 is 7.6 percent lower than the U.S. figure of 66.1.¹

While the U.S. fertility rate rose two percent from 1986 to 1987, the Oregon fertility rate dropped by 1.5 percent, from 1986 to 1987. Comparison of the Oregon to U.S. race-specific birth rates would be more accurate than comparison of crude rates, since Oregon's population consists of a smaller proportion of racial minorities. Unfortunately, race-specific rates for Oregon are available only during census years.

Health Status of Infants

Do all of the thousands of infants born every year thrive and become normal healthy adults? The Center for Health Statistics has two ways to answer this question. The first, the low birthweight rate, is the proportion of infants who weigh less than 2,500 grams at birth. The low birthweight rate for 1987 was 54.0 per 1,000 live births (number = 2086). These infants usually require extensive medical treatment and sometimes have lifelong handicapping conditions. Major factors associated with the risks of having a low weight baby include multiple births, adequacy of care, marital status, previous fetal or infant death, and education of mother.² Other factors commonly associated with poor birth outcomes are non-White race and age of mother. The second type of health status indicator uses death information. Neonatal deaths and infant deaths are closely linked to low birthweight. Infant deaths are discussed in the mortality section of this report.

¹ National Center for Health Statistics: Annual summary of births, marriages, divorces and deaths: United States, 1987. Monthly Vital Statistics Report, Vol. 36, No. 13, supp. DHHS Pub.No. (PHS) 88-1120. Public Service, Hyattsville, MD., July 29, 1988.

² Medicaid Support and Birth Outcome, Oregon, 1984. Center for Health Statistics, Health Division, Oregon Department of Human Resources, 1986.

Adequacy of Care Decreases

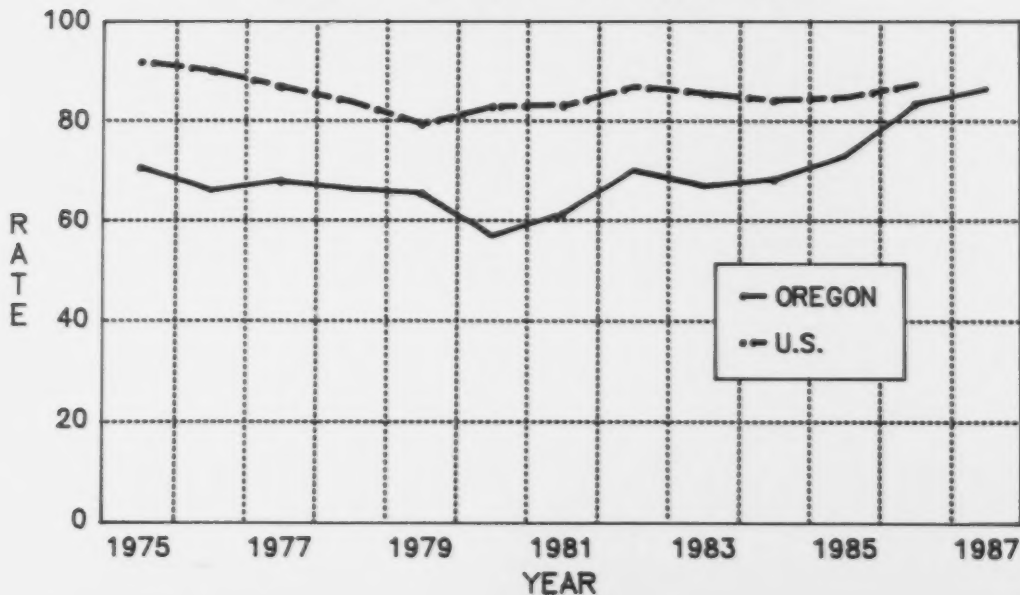
Public health services can do little to influence the most important factor that affects low birthweight, the multiple birth of twins or triplets. However, the second major predictor of low birthweight is adequacy of prenatal care. Adequate care is defined as care starting before the last trimester and consisting of more than four visits.

Oregon's rate of inadequate care, 86.2 per 1,000 live births, is at its highest level since 1975 (Figure 2-1). This rate increased 3.5 percent over the 1986 rate of 83.3. The trend was decreasing from 1975 to 1980, but in 1981, it reversed direction. Since 1980, the Oregon inadequate prenatal care rate has risen 48.6 percent, from 58.0 to 86.2.

In the past, Oregon's rate of inadequate prenatal care had been consistently below the national rate. Now, the gap between the Oregon and U.S. rates has virtually disappeared. In 1980, the Oregon rate was 31.5 percent lower than the U.S. rate. By 1987, the Oregon rate was only 1.1 percent lower than the 1986 (87.2) U.S. rate.³

Oregon women ages 30-34 sought prenatal care most often; only 43.7 out of every 1,000 births had inadequate prenatal care. Women under 20 were least likely to obtain prenatal care. Their rate of inadequate care, 184.3 per 1,000 live births, was over four times higher than for the 30-34 age group (Table 2-23). Differences were found between racial groups. Compared to Whites, the

FIGURE 2-1.
INADEQUATE PRENATAL CARE RATES,
OREGON AND THE U.S., 1975-1987



³ National Center for Health Statistics: Advanced report of final natality statistics, 1986. Monthly Vital Statistics Report, Vol. 37, No. 3, supp. DHHS Pub. No (PHS) 87-1120. Public Service, Hyattsville, Md., Jul 12, 1988.

Chinese and Japanese women combined were only one-half as likely to have inadequate care. However, Hispanic, Black, and Indian women had rates of inadequate care 2.0 to 2.5 times higher than their White counterparts (Table 2-24).

The rate of inadequate prenatal care varied between 111.1 and 360.0 for mothers with less than twelve years of education. However, for mothers with more education, the rate declined steadily from 80.8 for mothers with 12 years of education to 11.8 for mothers with 17 or more years of education (Table 2-25). Clearly, educational attainment appears to be closely associated with adequacy of prenatal care.

The relationship between inadequate prenatal care and low birthweight is almost as clear. The lighter the infant, the higher the rate of inadequate prenatal care. Infants under 1000 grams at birth had the highest rate of 408.4 while the rate for infants 4,000-4,999 grams was 60.7. The rate for infants 5,000 grams and over was 53.2.

Geographic differences prevail throughout the state. Of the 36 counties, six had inadequate prenatal care rates significantly lower than the state average (Benton, Clackamas, Clatsop, Morrow, Polk, and Wallowa), while eight counties had rates significantly higher than the state rate (Coos, Curry, Jackson, Jefferson, Josephine, Klamath, Lane, Wasco).

Births to Unwed Mothers Increase

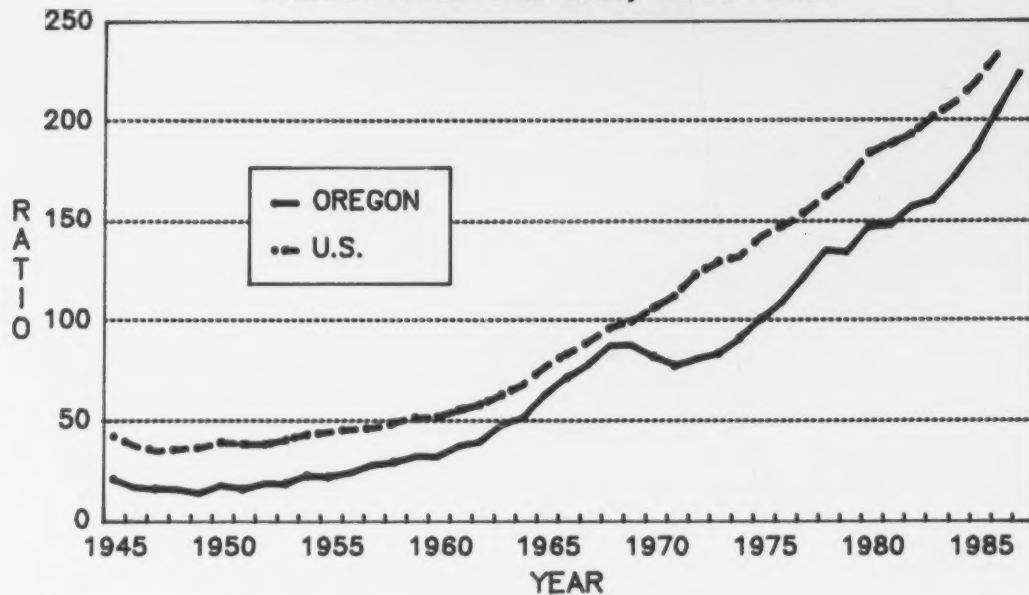
The pronounced increase in the number and rate of births to unwed mothers continues. In 1987, there were 8,659 live births to unwed mothers. Out of each 1,000 births in 1987, 223.9 were to mothers who were not married. This is a 8.7 percent increase in rate from 1986 and a 51.7 percent increase over the 1980 rate of 148.0.

The rate of Oregon births to unwed mothers in 1986 was 12.0 percent lower than the 1986 U.S. rate of 233.9. Over time, Oregon's percentage of unwed mothers has always been lower than the U.S. percentage, however from 1980 to 1986 the U.S. percentage has increased by 26.9 percent while the Oregon portion of unwed mothers increased 39.5 percent (Figure 2-2).

Although considered a personal choice of the mother, marital status is linked to birth outcome. Unwed mothers are more likely to give birth to low weight infants, with a rate of 81.6 compared to 45.9 (per 1,000 births) for married mothers. Many professionals link the low birthweight outcome of unwed mothers to their high rates of inadequate prenatal care. The unwed mothers' rate of inadequate prenatal care was 191.0, much higher than the 56.0 rate for married mothers. However, even for unwed mothers receiving adequate prenatal care, 64.5 babies out of every 1,000 births were low weight, compared to 42.8 low weight births to married mothers who received adequate care. From 1986 to 1987, there was a 4.6 percent increase in the low birthweight rate for all unwed mothers and a 11.0 percent increase in rate for unwed mothers with low birthweight babies and adequate prenatal care.

There were also differences among unwed mothers by race of child. A majority (58 percent) of Black mothers were unwed, while 43 percent of Indian mothers were unwed. Almost 21 percent of White, Hispanic, and Hawaiian children had mothers who were unwed at the time of their children's births. The mothers of Chinese and Japanese babies were unwed only 3.6 percent of the time. Filipinos were unwed 9.4 percent of the time, while for Other Asians the percentage was 16.7.

FIGURE 2-2.
UNWED BIRTH RATIOS,
OREGON AND THE U.S., 1945-1987



Unwed mothers tended to be younger than married mothers. In 1987, 31.6 percent of unwed mothers were under 20 years of age, while only 11.4 percent of married mothers were in this age range. Marital status differences existed among counties. Nine of Oregon's counties had unwed mother ratios significantly less than the state ratio of 223.9, and five counties had ratios significantly greater than the state ratio (Table 2-7).

Size of Families Increases

Since 1982, the percentage of births occurring in families that have two or more children has increased by 9.6 percent from 24.0 percent in 1982 to 26.9 percent in 1987. Historically, the percentage of families giving birth to their third or more child increased from 32.1 percent in 1940 to 36.6 percent in 1960, then it decreased to 23.1 percent in 1981, when it resumed the current upward trend.

Fewer Out-of-Hospital Births

Oregon continues to be above the national average in the percentage of out-of-hospital births since 1969 (Figure 2-3). The peak years for numbers of non-hospital births were 1982 and 1983, with 2,069 and 2,060 births respectively. In 1987, there were 1361 out-of-hospital births (34 births out of a thousand Oregon resident births). This figure is down 10.2 percent from 1986 and down 32.0 percent from the peak of 50 per thousand in 1983.

In 1986, only 37 infants born out-of-hospital to Oregon residents had low birthweights (2.7 percent of all non-hospital Oregon resident births), while 5.5 percent of the infants born in-hospital births had low birthweights. This difference may reflect the screening process used by providers in out-of-hospital birth settings. Typically, the mothers delivering in non-traditional settings are not high risk patients. These providers may also be transporting or transferring mothers in premature labor or patients who develop complications of pregnancy, because they do not have the facility or equipment to deal with these problem births.

For Whites and Hispanics, 3.7 percent of births were out-of-hospital while the figure for other non-whites was 2.9 percent, over one-fifth lower.

The type of attendant at these births has changed considerably in the last six years. Since 1980, the percentage of M.D.s, that have attended out-of-hospital births has dropped by 74.6 percent, from 17.3 to 4.4 percent. On the other hand, the percentage of attendant midwives has increased by nearly 46.2 percent, and CNMs and RNs have increased by almost 75.3 percent (Figure 2-3).

FIGURE 2-3.
PERCENTAGE OF OUT-OF-HOSPITAL BIRTHS,
OREGON AND THE U.S., 1965-1987

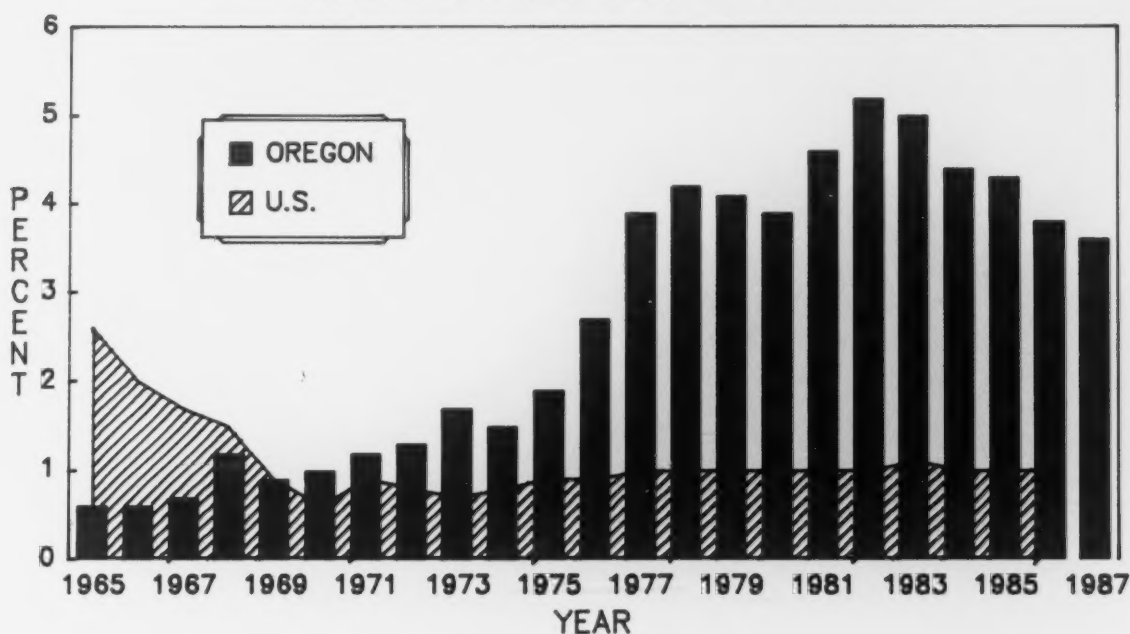


FIGURE 2-4.
NON-HOSPITAL BIRTH DELIVERY ATTENDANTS,
OREGON OCCURRENCE, 1980 AND 1987

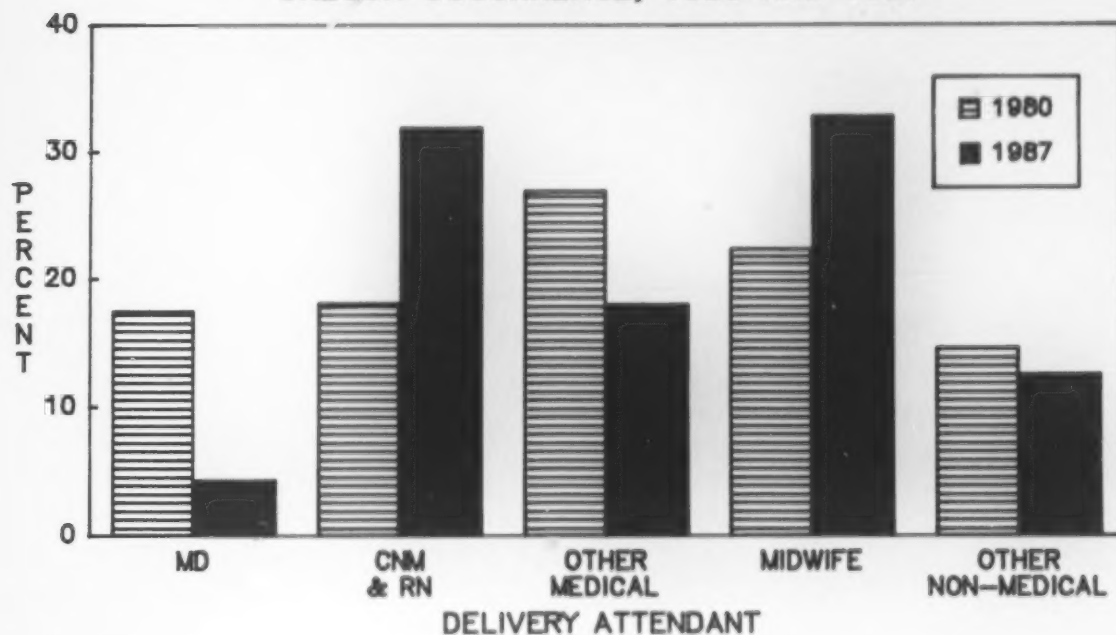


TABLE 2-1. AGE-SPECIFIC BIRTH RATES, FERTILITY RATES, AND TOTAL FERTILITY RATES, OREGON, 1940, 1950-1987.

YEAR	AGE-SPECIFIC BIRTH RATES						FERTILITY RATES	TOTAL FERTILITY RATES
	15-19	20-24	25-29	30-34	35-39	40-44	15-44	
1940	46.2	132.8	114.1	68.0	31.7	9.0	69.4	2,009.0
1950	92.9	223.0	169.5	100.9	46.7	12.6	108.8	3,228.3
1951	92.4	229.1	171.5	100.5	46.7	12.7	109.1	3,264.2
1952	91.9	235.2	173.5	100.0	46.7	12.8	109.5	3,300.2
1953	91.5	241.2	175.4	99.5	46.6	13.0	109.9	3,336.1
1954	91.0	247.3	177.4	99.1	46.6	13.1	110.3	3,372.1
1955	90.5	253.4	179.4	98.6	46.5	13.2	110.6	3,408.0
1956	90.1	259.5	181.4	98.1	46.5	13.3	111.0	3,444.0
1957	89.6	265.6	183.4	97.7	46.4	13.4	111.4	3,479.9
1958	89.1	271.6	185.4	97.2	46.4	13.5	111.8	3,515.9
1959	88.7	277.7	187.4	96.7	46.3	13.6	112.1	3,551.8
1960	88.2	283.8	189.3	96.3	46.3	13.7	112.5	3,587.8
1961	85.3	272.2	184.3	92.5	43.8	12.9	109.4	3,454.6
1962	82.3	260.5	179.4	88.7	41.3	12.0	106.3	3,321.4
1963	79.4	248.9	174.4	84.9	38.9	11.2	103.2	3,188.2
1964	76.5	237.3	169.4	81.1	36.4	10.4	100.1	3,054.9
1965	73.5	225.6	164.4	77.3	34.0	9.5	97.0	2,921.7
1966	70.6	214.0	159.4	73.5	31.5	8.7	93.9	2,788.5
1967	67.7	202.4	154.4	69.7	29.1	7.9	90.8	2,655.3
1968	64.7	190.8	149.4	65.9	26.6	7.0	87.7	2,522.1
1969	61.8	179.1	144.4	62.1	24.1	6.2	84.6	2,388.9
1970	58.9	167.5	139.4	58.3	21.7	5.4	81.5	2,255.6
1971	56.5	156.5	133.8	56.1	20.2	4.9	78.1	2,139.9
1972	54.2	145.5	128.3	53.8	18.8	4.4	74.7	2,024.2
1973	51.9	134.4	122.7	51.5	17.3	3.9	71.3	1,908.5
1974	49.5	123.4	117.1	49.3	15.9	3.4	67.9	1,792.7
1975	47.2	112.4	111.6	47.0	14.4	2.8	64.5	1,677.0
1976	48.6	114.0	118.5	52.5	15.2	3.1	67.4	1,759.3
1977	47.4	116.3	114.9	55.0	15.8	2.9	67.7	1,760.8
1978	49.3	115.1	111.3	56.8	16.1	2.8	67.3	1,757.5
1979	48.8	117.1	114.7	61.0	16.9	3.0	69.0	1,808.0
1980	50.9	124.3	112.9	57.8	17.2	2.8	69.3	1,829.5
1981	51.5	121.3	112.8	59.3	16.6	3.0	68.1	1,822.5
1982	45.7	119.1	109.1	60.3	18.6	3.3	65.2	1,780.6
1983	42.8	114.0	110.8	64.7	19.7	3.3	64.1	1,776.6
1984	42.5	108.0	111.0	66.4	21.2	3.1	62.8	1,761.6
1985	42.8	111.2	110.8	65.6	21.2	3.4	62.2	1,775.2
1986	42.3	105.5	112.7	69.5	22.9	3.9	61.8	1,784.0
1987	46.4	109.1	109.1	66.3	24.4	4.0	60.9	1,796.5

Rates are per 1,000 female population within the specific age group. Births to mothers under 15 and over 44 were not included.

FIGURE 2-5.
AGE-SPECIFIC BIRTH RATES OF WED MOTHERS,
OREGON RESIDENTS, 1950-1987

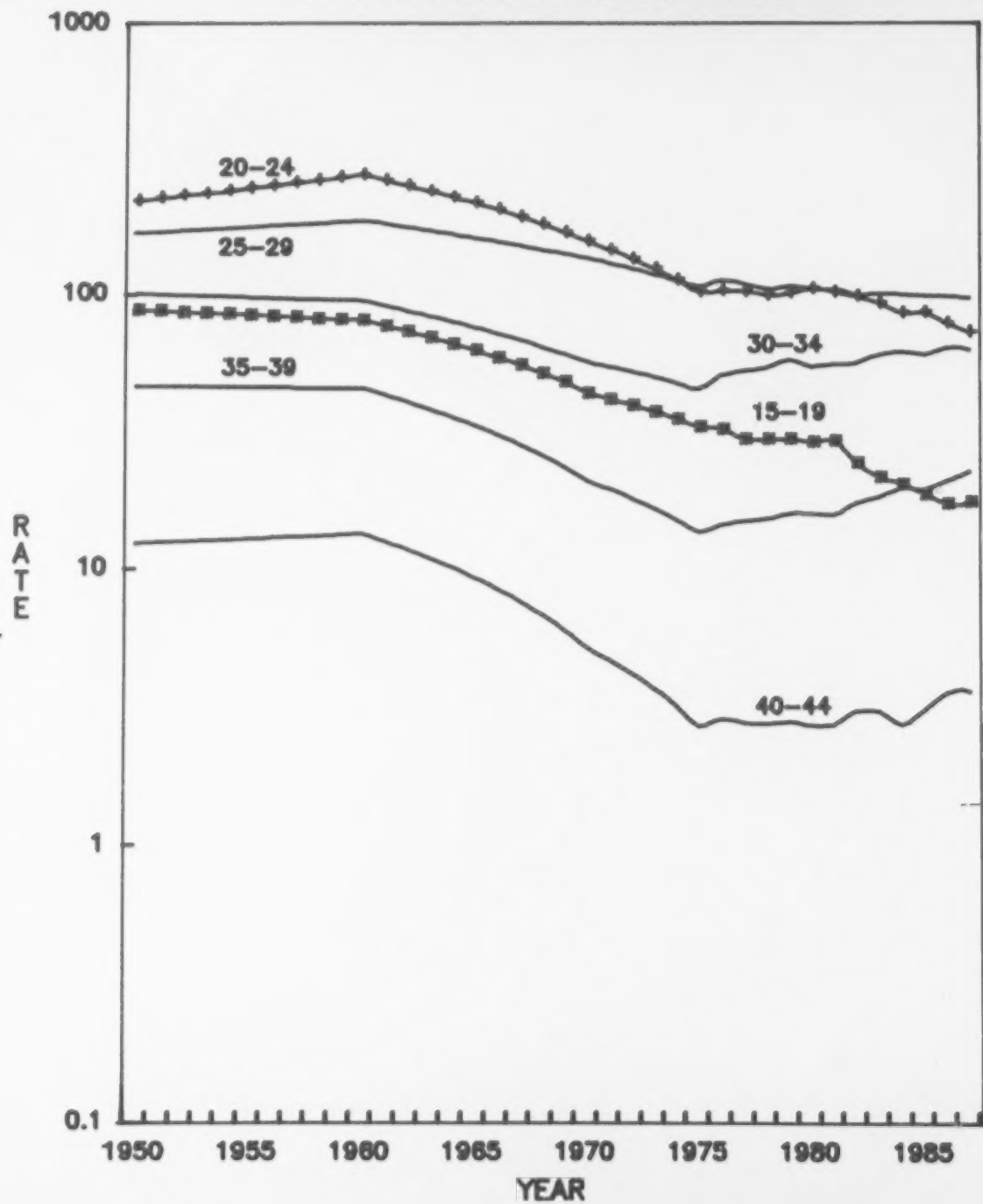


TABLE 2-2. AGE-SPECIFIC BIRTH RATES, FERTILITY RATES, AND TOTAL FERTILITY FOR UNWED MOTHERS, OREGON 1950-1987.

YEAR	AGE-SPECIFIC BIRTH RATES						FERTILITY RATES	TOTAL FERTILITY RATES
	15-19	20-24	25-29	30-34	35-39	40-44	15-44	
1950	5.5	4.0	1.6	0.7	0.5	0.2	2.0	62.4
1951	5.7	4.4	1.7	0.8	0.6	0.2	2.2	67.0
1952	6.0	4.8	1.8	0.9	0.6	0.2	2.3	71.6
1953	6.2	5.3	2.0	0.9	0.6	0.3	2.5	76.2
1954	6.4	5.7	2.1	1.0	0.6	0.3	2.6	80.8
1955	6.6	6.1	2.3	1.1	0.6	0.3	2.8	85.4
1956	6.9	6.6	2.4	1.2	0.6	0.3	3.0	89.9
1957	7.1	7.0	2.6	1.3	0.6	0.3	3.1	94.5
1958	7.3	7.5	2.7	1.4	0.7	0.3	3.3	99.1
1959	7.6	7.9	2.8	1.5	0.7	0.3	3.4	103.7
1960	7.8	8.3	3.0	1.6	0.7	0.3	3.6	108.3
1961	8.4	8.6	3.0	1.6	0.7	0.3	3.9	113.1
1962	9.1	8.8	3.1	1.6	0.7	0.3	4.2	117.8
1963	9.8	9.0	3.1	1.6	0.7	0.3	4.5	122.6
1964	10.5	9.2	3.2	1.6	0.7	0.3	4.8	127.3
1965	11.1	9.5	3.2	1.6	0.7	0.3	5.1	132.1
1966	11.8	9.7	3.3	1.6	0.8	0.3	5.4	136.8
1967	12.5	9.9	3.4	1.6	0.8	0.3	5.7	141.6
1968	13.1	10.1	3.4	1.6	0.8	0.3	6.0	146.3
1969	13.8	10.4	3.5	1.6	0.8	0.3	6.3	151.1
1970	15.1	10.6	3.6	1.6	0.8	0.2	6.6	159.4
1971	15.0	10.4	3.7	1.6	0.8	0.2	6.6	159.0
1972	14.8	10.3	3.9	1.7	0.8	0.2	6.6	158.6
1973	14.6	10.2	4.1	1.7	0.8	0.2	6.5	158.2
1974	14.5	10.0	4.3	1.7	0.8	0.2	6.5	157.7
1975	14.3	9.9	4.5	1.8	0.8	0.2	6.4	157.3
1976	16.4	11.0	5.3	1.8	0.8	0.2	7.3	177.6
1977	17.9	13.7	5.9	2.3	0.9	0.1	8.2	204.1
1978	19.9	15.7	6.5	2.6	1.0	0.1	9.0	228.8
1979	19.3	16.4	7.4	3.3	1.1	0.2	9.2	238.1
1980	22.1	19.0	8.5	3.2	1.4	0.1	10.1	271.6
1981	22.4	19.6	8.8	3.4	1.0	0.3	10.0	277.1
1982	21.6	21.3	9.3	4.0	1.3	0.3	10.2	288.9
1983	21.4	21.3	10.1	4.4	1.5	0.2	10.3	294.8
1984	22.4	22.6	11.2	4.5	1.7	0.4	10.8	314.8
1985	24.2	25.6	12.3	5.3	1.8	0.4	11.6	347.4
1986	25.2	27.3	14.6	5.8	2.1	0.4	12.6	376.4
1987	28.5	31.3	15.4	6.4	2.5	0.4	13.6	422.4

Rates are per 1,000 female population within the specific age group. Births to mothers under 15 and over 44 not included.

FIGURE 2-6.
AGE-SPECIFIC BIRTH RATES OF UNWED MOTHERS,
OREGON RESIDENTS, 1987

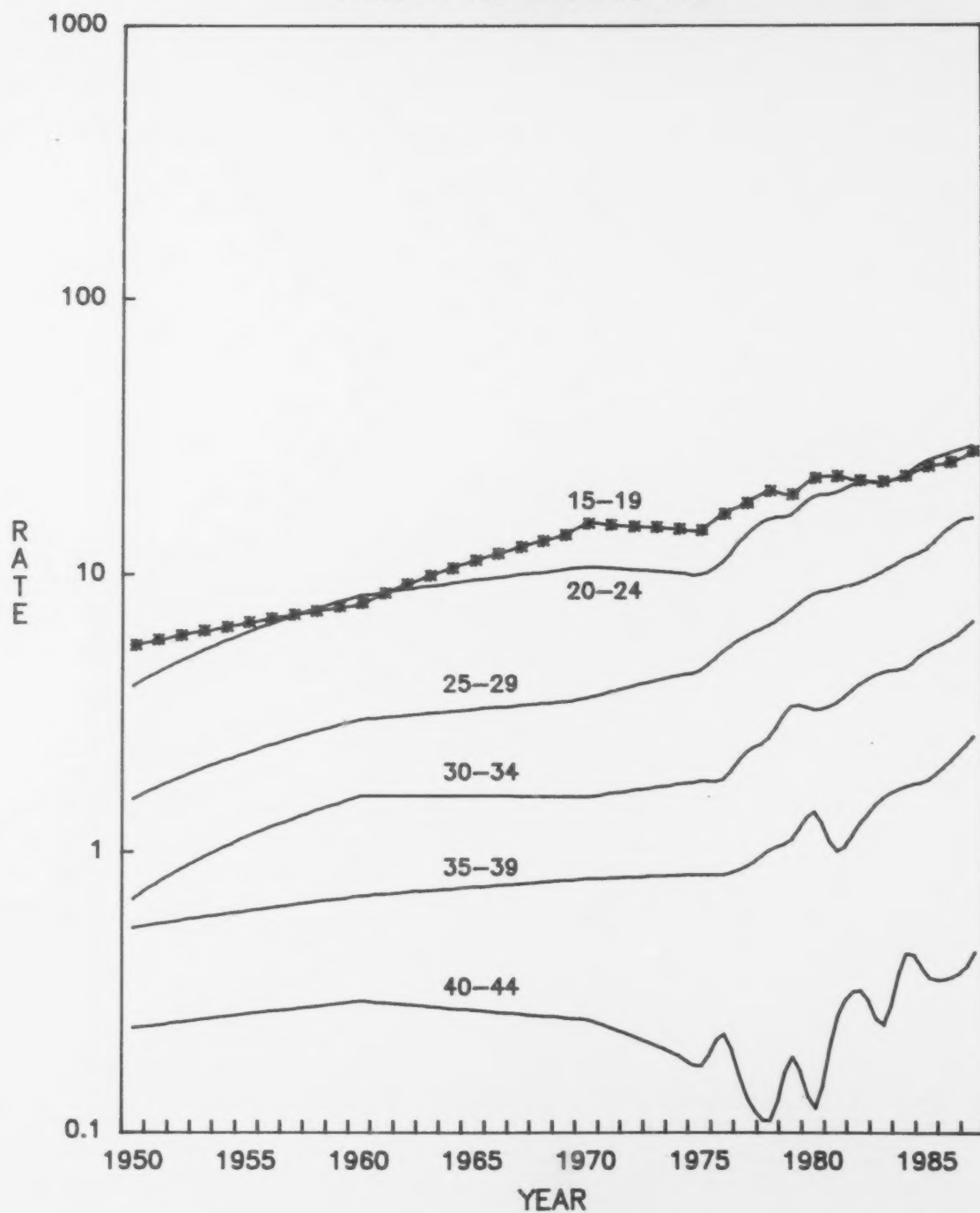


TABLE 2-3. RESIDENT BIRTHS BY AGE GROUP OF MOTHER, OREGON, 1955-1987.

YEAR	TOTAL	AGE-GROUP OF MOTHER										45 +		N.S.*				
		Under 15		15-19		20-24		25-29		30-34		35-39			40-44			
		No.	%	No.	%	No.	%	No.	%	No.	%	No.	%		No.	%		
1955	38,678	19	0.0	4,939	12.8	12,968	33.5	10,339	26.7	6,346	16.4	3,194	8.3	835	2.2	36	0.1	2
1956	38,423	21	0.1	5,230	13.6	13,029	33.9	10,035	26.1	6,119	15.9	3,098	8.1	831	2.2	50	0.1	10
1957	37,828	19	0.1	5,267	13.9	13,162	34.8	9,509	25.1	5,939	15.7	3,051	8.1	832	2.2	47	0.1	2
1958	36,295	26	0.1	5,147	14.2	12,761	35.2	9,222	25.4	5,519	15.2	2,763	7.6	819	2.3	36	0.1	2
1959	36,634	21	0.1	5,351	14.6	13,390	36.6	9,052	24.7	5,314	14.5	2,732	7.5	737	2.0	35	0.1	2
1960	38,347	31	0.1	5,896	15.4	14,122	36.8	9,338	24.4	5,303	13.8	2,808	7.3	799	2.1	48	0.1	2
1961	37,475	25	0.1	5,738	15.3	14,434	38.5	8,891	23.7	5,012	13.4	2,597	6.9	733	2.0	42	0.1	3
1962	36,983	19	0.1	5,882	15.9	14,246	38.5	8,743	23.6	4,817	13.0	2,497	6.8	737	2.0	39	0.1	3
1963	34,863	32	0.1	5,546	15.9	13,616	39.1	8,322	23.9	4,352	12.5	2,266	6.5	694	2.0	35	0.1	-
1964	33,500	30	0.1	5,356	16.0	13,302	39.7	7,986	23.8	4,088	12.2	2,079	6.2	619	1.8	38	0.1	2
1965	32,955	29	0.1	5,758	17.5	13,154	39.9	7,640	23.2	3,786	11.5	1,976	6.0	582	1.8	29	0.1	1
1966	32,446	31	0.1	5,989	18.5	13,044	40.2	7,688	23.7	3,352	10.3	1,781	5.5	521	1.6	38	0.1	2
1967	31,446	43	0.1	5,646	18.0	13,012	41.4	7,585	24.1	3,185	10.1	1,518	4.8	430	1.4	25	0.1	2
1968	32,136	39	0.1	5,789	18.0	13,071	40.7	8,304	25.8	3,170	9.9	1,332	4.1	405	1.3	25	0.1	1
1969	33,834	49	0.1	5,771	17.1	13,779	40.7	9,221	27.3	3,365	9.9	1,241	3.7	372	1.1	32	0.1	4
1970	35,353	41	0.1	6,027	17.0	14,587	41.3	9,778	27.7	3,373	9.5	1,195	3.4	324	0.9	27	0.1	1
1971	33,344	51	0.2	5,591	16.8	13,958	41.9	9,218	27.6	3,222	9.7	1,019	3.1	257	0.8	19	0.1	9
1972	31,308	52	0.2	5,531	17.7	12,374	39.5	9,141	29.2	3,046	9.7	920	2.9	226	0.7	12	0.0	6
1973	30,902	66	0.2	5,349	17.3	11,936	38.6	9,332	30.2	3,145	10.2	848	2.7	201	0.7	20	0.1	5
1974	32,506	66	0.2	5,356	16.5	12,612	38.8	10,039	30.9	3,465	10.7	810	2.5	145	0.4	8	0.0	5
1975	33,352	57	0.2	5,206	15.6	12,716	38.1	10,718	32.1	3,576	10.7	888	2.7	167	0.5	9	0.0	5
1976	34,840	67	0.2	5,367	15.4	12,895	37.0	11,386	32.7	3,992	11.5	935	2.7	180	0.5	11	0.0	7
1977	37,467	69	0.2	5,303	14.2	13,830	36.9	12,285	32.8	4,723	12.6	1,069	2.9	174	0.5	9	0.0	5
1978	38,964	72	0.2	5,588	14.3	13,906	35.7	12,710	32.6	5,319	13.7	1,181	3.0	178	0.5	7	0.0	3
1979	41,564	70	0.2	5,544	13.3	14,451	34.8	13,864	33.4	6,109	14.7	1,316	3.2	193	0.5	12	0.0	5
1980	43,091	71	0.2	5,658	13.1	14,912	34.6	14,297	33.2	6,499	15.1	1,456	3.4	185	0.4	11	0.0	2
1981	42,974	61	0.1	5,483	12.8	14,338	33.4	14,292	33.3	7,102	16.5	1,479	3.4	207	0.5	12	0.0	-
1982	41,012	52	0.1	4,783	11.7	13,422	32.7	13,534	33.0	7,202	17.6	1,765	4.3	241	0.6	13	0.0	-
1983	39,949	52	0.1	4,375	11.0	12,595	32.8	13,106	32.8	7,626	19.1	1,938	4.9	244	0.6	11	0.0	2
1984	39,536	56	0.1	4,245	10.7	12,035	30.4	12,783	32.3	7,961	20.1	2,193	5.5	248	0.6	13	0.0	2
1985	39,419	42	0.1	4,136	10.5	11,815	30.0	12,782	32.4	8,017	20.3	2,333	5.9	281	0.7	10	0.0	3
1986	38,850	64	0.2	4,159	10.7	11,334	29.2	12,308	31.7	8,067	20.8	2,574	6.6	327	0.8	13	0.0	4
1987	38,674	59	0.2	4,363	11.3	10,791	27.9	12,209	31.6	8,038	20.8	2,829	7.3	370	1.0	13	0.0	2

* N.S. Indicates age not stated; the percentage is insignificant.

TABLE 2-4. RESIDENT BIRTHS BY RACE OF CHILD, OREGON, 1955-1987.

YEAR	TOTAL	RACE OF CHILD						
		White*	Black	Indian	Chinese	Japanese	Other	Not Stated
1955	38,678	37,575	526	309	74	135	59	-
1956	38,423	37,346	548	267	71	129	62	-
1957	37,828	36,705	530	340	80	121	52	-
1958	36,295	35,138	538	340	65	128	85	1
1959	36,634	35,384	599	376	69	128	78	-
1960	38,347	36,958	651	432	78	134	94	-
1961	37,475	36,128	585	451	72	148	91	-
1962	36,983	35,717	613	385	68	115	85	-
1963	34,863	33,545	617	418	72	105	106	-
1964	33,500	32,199	613	417	69	105	97	-
1965	32,955	31,671	590	425	66	112	91	-
1966	32,446	31,247	567	371	77	82	102	-
1967	31,446	30,270	583	368	63	74	88	-
1968	32,136	30,968	543	363	71	85	106	-
1969	33,834	32,427	626	451	95	95	139	1
1970	35,353	33,729	677	552	86	127	179	3
1971	33,344	31,850	654	478	90	106	158	8
1972	31,308	29,756	657	492	89	110	185	19
1973	30,902	29,349	621	510	77	113	214	18
1974	32,506	30,800	706	515	80	109	272	24
1975	33,352	31,487	760	567	97	117	290	34
1976	34,840	32,923	728	550	104	138	339	58
1977	37,467	35,361	894	527	109	134	369	73
1978	38,964	36,617	947	581	107	144	546	22
1979	41,564	38,983	977	627	147	151	661	18
1980	43,091	40,151	1,012	687	169	147	908	17
1981	42,974	39,863	920	660	154	163	1,211	3
1982	41,012	37,951	976	643	176	185	1,077	4
1983	39,949	37,065	982	688	171	169	871	3
1984	39,536	36,683	907	689	178	158	916	5
1985	39,419	36,509	981	674	165	190	892	8
1986	38,850	35,866	955	722	193	179	924	11
1987	38,674	35,596	1,013	733	211	181	927	13

* Includes Hispanic.

TABLE 2-5. RESIDENT BIRTHS BY AGE OF MOTHER AND BIRTHWEIGHT, OREGON, 1987

BIRTH-WEIGHT (IN GRAMS)	TOTAL	AGE OF MOTHER								
		< 15	15-19	20-24	25-29	30-34	35-39	40-44	45+	N.S.
TOTAL.....	38,674	59	4,363	10,791	12,209	8,038	2,829	370	13	2
499 & LESS.....	47	-	9	15	7	11	3	2	-	-
500-999.....	144	-	23	33	40	35	12	1	-	-
1000-1499.....	137	2	18	42	42	23	9	1	-	-
1500-1999.....	400	2	62	116	101	79	34	6	-	-
2000-2499.....	1,358	3	169	424	399	261	93	8	1	-
2500-2999.....	5,014	18	708	1,511	1,472	921	335	47	2	-
3000-3499.....	13,345	14	1,641	3,917	4,212	2,557	876	123	4	1
3500-3999.....	12,734	16	1,282	3,438	4,091	2,826	970	108	3	-
4000-4499.....	4,502	4	382	1,068	1,518	1,073	396	60	-	1
4500-4999.....	883	-	63	210	295	213	90	11	1	-
5000 & OVER.....	94	-	6	13	30	31	10	3	1	-
UNKNOWN.....	16	-	-	4	2	8	1	-	1	-
COLUMN PERCENT TOTAL.....	100.0%	100.0	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0	100%
% 1499 & LESS.....	.8	3.4	1.1	.8	.7	.9	.8	1.1	-	-
% 1500-2499.....	4.5	8.5	5.3	5.0	4.1	4.2	4.5	3.8	7.7	-
% 2500-4499.....	92.0	88.1	92.0	92.1	92.5	91.8	91.1	91.4	69.2	100
% 4500 & OVER.....	2.5	-	1.6	2.1	2.7	3.0	3.5	3.8	15.4	-

- QUANTITY IS ZERO

TABLE 2-6. RESIDENT BIRTHS TO UNWED MOTHERS BY AGE OF MOTHER AND BIRTHWEIGHT, OREGON, 1987

BIRTH-WEIGHT (IN GRAMS)	TOTAL	AGE OF MOTHER								
		< 15	15-19	20-24	25-29	30-34	35-39	40-44	45+	N.S.
TOTAL.....	8,659	57	2,675	3,095	1,719	780	291	40	2	-
499 & LESS.....	21	-	5	8	5	1	2	-	-	-
500-999.....	54	-	12	18	11	8	5	-	-	-
1000-1499.....	52	2	14	15	12	7	2	-	-	-
1500-1999.....	126	2	38	41	23	17	5	-	-	-
2000-2499.....	454	3	101	180	101	49	18	2	-	-
2500-2999.....	1,518	17	457	520	306	145	64	8	1	-
3000-3499.....	3,171	13	1,036	1,159	605	260	81	17	-	-
3500-3999.....	2,400	16	747	869	469	213	76	10	-	-
4000-4499.....	723	4	226	243	157	62	29	2	-	-
4500-4999.....	120	-	36	37	23	15	9	-	-	-
5000 & OVER.....	14	-	3	3	6	1	-	1	-	-
UNKNOWN.....	6	-	-	2	1	2	-	-	1	-
COLUMN PERCENT TOTAL.....	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	-
% 1499 & LESS.....	1.5	3.5	1.2	1.3	1.6	2.1	3.1	.0	-	-
% 1500-2499.....	6.7	8.8	5.2	7.1	7.2	8.5	7.9	5.0	.0	-
% 2500-4499.....	90.2	87.7	92.2	90.2	89.4	87.2	85.9	92.5	50.0	-
% 4500 & OVER.....	1.5	-	1.5	1.3	1.7	2.1	3.1	2.5	.0	-

- QUANTITY IS ZERO

TABLE 2-7. BIRTHS TO UNWED MOTHER BY COUNTY OF RESIDENCE, OREGON, 1987

COUNTY OF RESIDENCE	TOTAL BIRTHS	NUMBER UNWED	RATE UNWED 1/
TOTAL	38,674	8,659	223.9
BAKER	198	32	161.6 -
BENTON	876	101	115.3 -
CLACKAMAS	3,289	525	159.6 -
CLATSOP	446	93	208.5
COLUMBIA	467	107	229.1
COOS	754	179	237.4
CROOK	175	25	142.9 -
CURRY	233	41	176.0
DESCHUTES	943	192	203.6
DOUGLAS	1,358	323	237.8
GILLIAM	14	0	.0
GRANT	111	16	144.1 -
HARNEY	102	12	117.6 -
HOOD RIVER	265	36	135.8 -
JACKSON	1,882	461	245.0
JEFFERSON	272	91	334.6 +
JOSEPHINE	802	209	260.6 +
KLAMATH	846	207	244.7
LAKE	110	23	209.1
LAINE	3,739	886	237.0
LINCOLN	469	124	264.4
LINN	1,249	316	253.0 +
MALHEUR	431	92	213.5
MARION	3,312	793	239.4
MORROW	126	20	158.7
MULTNOMAH	8,481	2,367	279.1 +
POLK	654	133	203.4
SHERMAN	20	2	100.0
TILLAMOOK	204	49	240.2
UMATILLA	941	253	268.9 +
UNION	309	59	190.9
WALLONA	75	7	93.3 -
WASCO	290	77	265.5
WASHINGTON	4,381	619	141.3 -
WHEELER	10	1	100.0
YAMHILL	840	188	223.8

1/ ALL RATES PER 1,000 BIRTHS
 NOTE: SYMBOL - DENOTES RATE IS SIGNIFICANTLY LESS THAN STATE RATE
 SYMBOL + DENOTES RATE IS SIGNIFICANTLY GREATER THAN STATE RATE

TABLE 2-8. RESIDENT BIRTHS BY AGE OF MOTHER AND LIVE BIRTH ORDER, OREGON, 1987

LIVE BIRTH ORDER	TOTAL	AGE OF MOTHER								
		< 15	15-19	20-24	25-29	30-34	35-39	40-44	45+	N.S.
TOTAL.....	38,674	59	4,363	10,791	12,209	8,038	2,829	370	13	2
FIRST.....	15,230	58	3,453	5,055	4,039	2,032	535	55	2	1
SECOND.....	13,019	1	780	3,875	4,450	2,969	861	81	1	1
THIRD.....	6,567	-	110	1,451	2,483	1,748	688	84	3	-
FOURTH.....	2,403	-	18	317	874	779	358	56	1	-
FIFTH.....	848	-	2	78	248	313	179	27	1	-
SIXTH.....	323	-	-	10	79	123	82	28	1	-
SEVENTH.....	141	-	-	3	22	46	54	14	2	-
EIGHTH.....	63	-	-	1	6	17	31	8	-	-
NINTH +.....	74	-	-	-	6	8	41	17	2	-
N.S.....	6	-	-	1	2	3	-	-	-	-

- QUANTITY IS ZERO

TABLE 2-9. TOTAL PREGNANCIES BY TYPE OF OUTCOME AND AGE GROUPS, OREGON
RESIDENCE/1, 1987.

TYPE OF OUTCOME	TOTAL	AGE OF MOTHER								
		<15	15-19	20-24	25-29	30-34	35-39	40-44	45+	N.S.
TOTAL	50,043	126	7,324	14,370	14,654	9,490	3,488	519	21	51
LIVE BIRTHS	38,674	59	4,363	10,791	12,209	8,038	2,829	370	13	2
Percent	77.3	46.8	59.6	75.0	83.3	84.7	81.1	71.3	61.9	3.9
FETAL DEATHS	222	-	31	70	65	38	12	4	-	2
Percent	0.4	0.0	0.4	0.5	0.4	0.4	0.3	0.8	-	3.9
INDUCED ABORTIONS	11,147	67	2,930	3,509	2,380	1,414	647	145	8	47
Percent	22.7	53.2	40.0	24.4	16.2	14.9	18.5	27.9	38.1	92.2

- Quantity is zero.

/1 Induced abortion data are available by Oregon occurrence only.

TABLE 2-10. RESIDENT BIRTHS BY AGE OF MOTHER AND COUNTY OF RESIDENCE,
OREGON, 1987

COUNTY OF RESIDENCE	TOTAL BIRTHS	MOTHERS AGE									
		< 15	15-19	20-24	25-29	30-34	35-39	40-44	45	+	N.S.
TOTAL.....	38,674	59	4,363	10,791	12,209	8,038	2,829	370	13	2	
BAKER.....	198	-	23	64	67	30	12	2	-	-	
BENTON.....	876	-	44	163	301	252	99	15	2	-	
CLACKAMAS..	3,289	4	280	756	1,115	760	328	46	-	-	
CLATSOP....	446	-	49	127	153	84	26	7	-	-	
COLUMBIA....	467	1	60	133	161	79	28	5	-	-	
COOS.....	754	1	97	247	236	118	49	5	1	-	
CROOK.....	175	-	25	61	54	26	7	2	-	-	
CURRY.....	233	-	28	78	68	42	15	2	-	-	
DESCHUTES..	943	2	122	244	293	208	67	7	-	-	
DOUGLAS....	1,358	1	195	474	396	207	73	11	1	-	
GILLIAM....	14	-	-	3	5	4	2	-	-	-	
GRANT.....	111	-	8	37	37	24	5	-	-	-	
HARNEY.....	102	-	14	30	36	17	5	-	-	-	
HOOD RIVER..	265	1	30	73	81	57	19	4	-	-	
JACKSON....	1,882	2	268	544	592	343	122	11	-	-	
JEFFERSON..	272	-	53	95	69	36	18	1	-	-	
JOSEPHINE..	802	1	114	259	243	113	62	9	1	-	
KLAMATH....	846	3	120	302	248	124	43	6	-	-	
LAKE.....	110	-	11	49	30	15	5	-	-	-	
LANE.....	3,739	4	410	1,092	1,157	758	277	39	2	-	
LINCOLN....	469	-	64	126	138	94	37	10	-	-	
LINN.....	1,249	5	190	430	370	197	55	2	-	-	
MALHEUR....	431	1	69	131	126	68	30	6	-	-	
MARION.....	3,312	8	420	998	1,016	622	214	34	-	-	
MORROW.....	126	2	16	44	39	20	5	-	-	-	
MULTNOMAH..	8,481	14	878	2,239	2,652	1,963	655	77	3	-	
POLK.....	654	-	69	189	204	137	47	8	-	-	
SHERMAN....	20	-	-	6	7	6	1	-	-	-	
TILLAMOOK..	204	-	32	57	74	31	9	1	-	-	
UMATILLA...	941	3	146	309	270	155	47	9	-	2	
UNION.....	309	-	41	104	80	58	23	3	-	-	
WALLOWA....	75	-	6	27	20	20	1	1	-	-	
WASCO.....	290	1	42	99	75	54	16	3	-	-	
WASHINGTON.	4,381	3	313	972	1,526	1,157	371	37	2	-	
WHEELER....	10	-	3	3	3	-	1	-	-	-	
YAMHILL....	840	2	123	226	267	159	55	7	1	-	

- QUANTITY IS ZERO

TABLE 2-11. RESIDENT BIRTHS TO UNWED MOTHERS BY AGE OF MOTHER AND COUNTY OF RESIDENCE, OREGON, 1987

COUNTY OF RESIDENCE	Total	MOTHERS AGE							
		< 15	15-19	20-24	25-29	30-34	35-39	40-44	45 +
TOTAL.....	8,659	57	2,675	3,095	1,719	780	291	40	2
BAKER.....	32	-	11	20	-	1	-	-	-
BENTON.....	101	-	21	36	28	10	5	1	-
CLACKAMAS..	525	4	176	184	99	42	18	2	-
CLATSOP....	93	-	23	34	21	10	4	1	-
COLUMBIA...	107	1	38	39	18	8	3	-	-
COOS.....	179	1	54	61	34	17	12	-	-
CROOK.....	25	-	7	13	3	1	1	-	-
CURRY.....	41	-	11	19	6	3	2	-	-
DESCHUTES..	192	2	63	62	36	22	6	1	-
DOUGLAS....	323	1	110	115	55	29	10	3	-
GILLIAM....	-	-	-	-	-	-	-	-	-
GRANT.....	16	-	6	7	2	1	-	-	-
HARNEY.....	12	-	5	5	1	-	1	-	-
HOOD RIVER.	36	1	12	15	5	1	2	-	-
JACKSON....	461	2	159	140	94	47	17	2	-
JEFFERSON..	91	-	31	30	19	6	5	-	-
JOSEPHINE..	209	1	58	60	54	21	13	2	-
KLAMATH....	207	2	64	77	39	16	8	1	-
LAKE.....	23	-	5	13	4	-	1	-	-
LANE.....	886	4	261	324	185	72	33	7	-
LINCOLN....	124	-	39	41	23	17	4	-	-
LIHN.....	316	5	113	125	46	21	5	1	-
MALHEUR....	92	-	30	28	21	8	4	1	-
MARION.....	793	8	244	309	152	56	20	4	-
MORROW....	20	2	7	7	3	1	-	-	-
MULTNOMAH..	2,367	14	667	873	508	232	64	8	1
POLK.....	133	-	37	42	31	20	3	-	-
SHERMAN....	2	-	-	1	-	1	-	-	-
TILLAMOOK..	49	-	18	9	16	4	2	-	-
UMATILLA...	253	3	91	87	43	23	5	1	-
UNION.....	59	-	15	21	15	4	3	1	-
WALLOWA....	7	-	3	2	1	1	-	-	-
WASCO.....	77	1	29	28	10	5	3	1	-
WASHINGTON.	619	3	199	210	115	58	30	3	1
WHEELER....	1	-	1	-	-	-	-	-	-
YAMHILL....	188	2	67	58	32	22	7	-	-

- QUANTITY IS ZERO

TABLE 2-12. RESIDENT BIRTHS BY SEX AND RACE OF CHILD AND COUNTY OF RESIDENCE, OREGON, 1987

COUNTY OF RESIDENCE	TOTAL BIRTHS	MALE	FEMALE	RACE OF CHILD				
				WHITE 1/	BLACK	INDIAN	OTHER NON- WHITE	N.S.
TOTAL.....	38,674	19,607	19,067	35,596	1,013	733	1,319	13
BAKER.....	198	101	97	191	1	2	2	2
BENTON.....	876	430	446	807	8	2	58	1
CLACKAMAS..	3,289	1,681	1,608	3,167	14	22	86	-
CLATSOP....	446	238	208	429	2	5	10	-
COLUMBIA....	467	225	242	452	2	10	3	-
COOS.....	754	392	362	709	2	22	20	1
CROOK.....	175	88	87	170	1	2	2	-
CURRY.....	233	103	130	221	1	7	3	1
DESCHUTES..	943	471	472	911	-	20	12	-
DOUGLAS....	1,358	706	652	1,315	4	26	13	-
GILLIAM....	14	7	7	14	-	-	-	-
GRANT.....	111	53	58	108	-	2	1	-
HARNEY.....	102	50	52	97	-	5	-	-
HOOD RIVER..	265	128	137	253	1	2	8	1
JACKSON....	1,882	938	944	1,835	2	25	20	-
JEFFERSON..	272	143	129	158	-	108	6	-
JOSEPHINE..	802	410	392	778	1	16	7	-
KLAMATH....	846	424	422	761	11	59	15	-
LAKE.....	110	62	48	105	-	3	2	-
LANE.....	3,739	1,898	1,841	3,516	50	58	115	-
LINCOLN....	469	231	233	445	3	13	8	-
LINN.....	1,249	624	625	1,220	4	13	12	-
MALHEUR....	431	213	218	414	2	5	8	2
MARION.....	3,312	1,685	1,627	3,117	41	64	90	-
MORROW.....	126	65	61	126	-	-	-	-
MULTNOMAH..	8,481	4,290	4,191	7,041	800	119	519	2
POLK.....	654	327	327	621	10	11	11	1
SHERMAN....	20	6	14	20	-	-	-	-
TILLAMOOK..	204	108	96	200	-	1	3	-
UMATILLA...	941	481	460	875	5	45	16	-
UNION.....	309	165	144	296	2	4	7	-
WALLOWA....	75	42	33	72	1	2	-	-
WASCO.....	290	151	139	271	2	13	4	-
WASHINGTON.	4,381	2,237	2,144	4,059	42	33	246	1
WHEELER....	10	2	8	9	-	1	-	-
YAMHILL....	840	432	408	813	1	13	12	1

- QUANTITY IS ZERO
1/ INCLUDES HISPANIC

TABLE 2-13. BIRTHS BY COUNTY OF OCCURRENCE BY TYPE OF INSTITUTION BY DELIVERY ATTENDANT, OREGON, 1987

COUNTY OF OCCURRENCE	TOTAL	BORN IN HOSPITAL OR ON ARRIVAL							
		Total	M.D.	D.O.	N.D.	CNM	R.N.	OTHER LICENSED MEDICAL	NON-MEDICAL
TOTAL.....	39,996	38,635	35,872	1,189	1	1,483	59	12	19
BAKER.....	127	125	125	-	-	-	-	-	-
BENTON.....	1,068	1,024	935	87	-	-	2	-	-
CLACKAMAS...	2,587	2,455	2,452	-	-	3	-	-	-
CLATSOP.....	488	477	468	-	-	3	6	-	-
COLUMBIA....	61	54	54	-	-	-	-	-	-
COOS.....	740	714	688	-	-	26	-	-	-
CROOK.....	101	98	98	-	-	-	-	-	-
CURRY.....	122	82	13	38	-	28	3	-	-
DESCHUTES...	1,168	1,117	1,089	23	-	-	-	4	1
DOUGLAS....	1,281	1,261	952	127	-	173	8	-	1
GILLIAM....	-	-	-	-	-	-	-	-	-
GRANT.....	80	78	76	-	-	-	2	-	-
HARNEY.....	58	58	58	-	-	-	-	-	-
HOOD RIVER..	230	221	183	38	-	-	-	-	-
JACKSON....	2,036	1,986	1,549	50	1	382	2	1	1
JEFFERSON..	209	204	204	-	-	-	-	-	-
JOSEPHINE..	808	678	675	-	-	-	3	-	-
KLAMATH....	864	858	741	10	-	104	2	-	1
LAKE.....	102	102	102	-	-	-	-	-	-
LANE.....	3,884	3,578	3,059	25	-	486	6	2	-
LINCOLN....	343	334	334	-	-	-	-	-	-
LINN.....	1,012	965	885	37	-	37	4	1	1
MALHEUR....	598	595	595	-	-	-	-	-	-
MARION.....	3,286	3,177	3,149	25	-	-	-	1	2
MORROW.....	1	-	-	-	-	-	-	-	-
MULTNOMAH..	12,766	12,573	12,201	171	-	186	3	3	9
POLK.....	313	299	140	159	-	-	-	-	-
SHERMAN....	-	-	-	-	-	-	-	-	-
TILLAMOOK..	134	129	128	-	-	-	1	-	-
UMATILLA...	777	756	745	2	-	1	6	-	2
UNION.....	392	382	379	-	-	-	3	-	-
WALLOWA....	46	38	38	-	-	-	-	-	-
WASCO.....	353	349	196	153	-	-	-	-	-
WASHINGTON.	3,348	3,273	2,970	243	-	54	5	-	1
WHEELER....	-	-	-	-	-	-	-	-	-
YAMHILL....	613	595	591	1	-	-	3	-	-

TABLE 2-13. BIRTHS BY COUNTY OF OCCURRENCE BY TYPE OF INSTITUTION BY DELIVERY ATTENDANT, OREGON, 1987

COUNTY OF OCCURRENCE	BORN NOT IN HOSPITAL									
	TOTAL	M.D.	D.O.	N.D.	D.C.	CNM	R.N.	MID- WIFE	OTHER LICENSED MEDICAL	NON- MEDICAL
TOTAL.....	1,361	60	1	208	22	385	50	448	16	171
BAKER.....	2	-	-	-	-	-	-	2	-	-
BENTON.....	44	-	-	2	-	-	-	36	-	6
CLACKAMAS..	132	1	-	15	6	47	-	31	6	26
CLATSOP....	11	-	-	1	1	-	-	6	1	2
COLUMBIA....	7	-	-	-	-	-	-	5	-	2
COOS.....	26	1	-	-	-	1	-	22	-	2
CROOK.....	3	-	-	2	-	1	-	-	-	-
CURRY.....	40	2	-	-	-	33	-	4	-	1
DESCHUTES..	51	-	-	43	-	-	-	2	-	6
DOUGLAS....	20	1	-	1	-	-	-	13	2	3
GILLIAM....	-	-	-	-	-	-	-	-	-	-
GRANT.....	2	-	-	-	1	-	-	1	-	-
HARNEY.....	-	-	-	-	-	-	-	-	-	-
HOOD RIVER..	9	-	-	9	-	-	-	-	-	-
JACKSON....	50	3	-	15	-	-	-	17	1	14
JEFFERSON..	5	-	-	3	-	-	-	2	-	-
JOSEPHINE..	130	3	-	4	-	90	2	22	1	8
KLAMATH....	6	-	-	-	-	-	1	3	-	2
LAKE.....	-	-	-	-	-	-	-	-	-	-
LANE.....	306	34	-	8	1	176	43	28	1	15
LINCOLN....	9	-	-	1	1	-	2	2	1	2
LINN.....	47	1	-	1	-	2	-	35	1	7
MALHEUR....	3	1	-	-	-	-	-	1	-	1
MARION.....	109	-	-	2	2	5	-	58	-	42
MORROW.....	1	-	-	-	-	-	-	1	-	-
MULTNOMAH..	193	6	-	81	6	11	-	71	2	16
POLK.....	14	-	-	1	-	3	-	9	-	1
SHERMAN....	-	-	-	-	-	-	-	-	-	-
TILLAMOOK..	5	-	-	-	-	-	-	5	-	-
UMATILLA...	21	-	-	-	-	-	-	19	-	2
UNION.....	10	-	-	-	2	-	-	6	-	2
WALLOWA....	8	6	-	-	-	-	-	1	-	1
WASCO.....	4	-	-	1	-	-	-	1	-	2
WASHINGTON.	75	1	1	14	1	14	1	36	-	7
WHEELER....	-	-	-	-	-	-	-	-	-	-
YAMHILL....	18	-	-	4	1	2	1	9	-	1

TABLE 2-14. LOW BIRTH WEIGHT INFANTS BY COUNTY OF RESIDENCE, OREGON, 1987

COUNTY OF RESIDENCE	TOTAL	LOW BIRTH WEIGHT INFANTS			RATE FOR ALL LOW BIRTH WEIGHT 1/	RATE FOR 1499 GRAMS OR LESS	RATE FOR 1500 TO 2499 GRAMS
		TOTAL LOW BIRTH WEIGHT	1499 GR. OR LESS	1500- 2499 GRAMS			
TOTAL.....	38,674	2,086	328	1,758	54.0	8.5	45.5
BAKER.....	198	13	1	12	65.7	5.1	60.6
BENTON.....	876	38	6	32	43.4	6.8	36.5
CLACKAMAS..	3,289	187	23	164	56.9	7.0	49.9
CLATSOP....	446	29	5	24	65.0	11.2	53.8
COLUMBIA....	467	35	4	31	74.9	8.6	66.4
COOS.....	754	35	7	28	46.5	9.3	37.2
CROOK.....	175	7	2	5	40.0	11.4	28.6
CURRY.....	233	17	6	11	73.3	25.9	47.4
DESCHUTES..	943	51	7	44	54.1	7.4	46.7
DOUGLAS....	1,358	61	9	52	44.9	6.6	38.3
GILLIAM....	14	-	-	-	.0	.0	.0
GRANT.....	111	2	-	2	18.0 -	.0	18.0
HARNEY.....	102	5	-	5	49.0	.0	49.0
HOOD RIVER..	265	13	3	10	49.1	11.3	37.7
JACKSON....	1,882	80	4	76	42.5 -	2.1	40.4
JEFFERSON..	272	17	4	13	62.5	14.7	47.8
JOSEPHINE..	802	39	8	31	48.6	10.0	38.7
KLAMATH....	846	47	8	39	55.6	9.5	46.1
LAKE.....	110	10	1	9	90.9	9.1	81.8
LANE.....	3,739	187	32	155	50.0	8.6	41.5
LINCOLN....	469	22	5	17	46.9	10.7	36.2
LINN.....	1,249	68	9	59	54.4	7.2	47.2
MALHEUR....	431	18	5	13	41.8	11.6	30.2
MARION.....	3,312	161	27	134	48.6	8.2	40.5
MORROW....	126	6	1	5	48.0	8.0	40.0
MULTNOMAH..	8,481	534	74	460	63.0 +	8.7	54.3
POLK.....	654	40	6	34	61.2	9.2	52.0
SHERMAN....	20	1	-	1	50.0	.0	50.0
TILLAMOOK..	204	9	-	9	44.1	.0	44.1
UMATILLA...	941	51	11	40	54.2	11.7	42.5
UNION.....	309	9	1	8	29.1 -	3.2	25.9
WALLOWA....	75	3	2	1	40.0	26.7	13.3
WASCO.....	290	17	1	16	58.6	3.4	55.2
WASHINGTON.	4,381	235	46	189	53.7	10.5	43.2
WHEELER....	10	1	-	1	100.0	.0	100.0
YAMHILL....	840	38	10	28	45.2	11.9	33.3

- QUANTITY IS ZERO

1/ ALL RATES PER 1,000 BIRTHS

NOTE: SYMBOL - DENOTES RATE IS SIGNIFICANTLY LESS THAN STATE RATE

SYMBOL + DENOTES RATE IS SIGNIFICANTLY GREATER THAN STATE RATE

TABLE 2-15. RESIDENT BIRTHS BY RACE OF CHILD AND BIRTHWEIGHT, OREGON, 1987

BIRTH-WEIGHT (IN GRAMS)	TOTAL	RACE OF CHILD					
		WHITE	HIS- PANIC	BLACK	INDIAN	CHI- NESE	
TOTAL.....	38,674	33,577	2,019	1,013	733	211	
499 & LESS.....	47	41	2	1	1	1	
500-999.....	144	102	15	10	5	2	
1000-1499.....	137	110	8	13	1	2	
1500-1999.....	400	340	19	24	6	3	
2000-2499.....	1,358	1,111	77	80	29	7	
2500-2999.....	5,014	4,162	266	240	105	48	
3000-3499.....	13,345	11,472	771	346	220	75	
3500-3999.....	12,734	11,307	608	227	246	54	
4000-4499.....	4,502	4,036	206	61	99	17	
4500-4999.....	883	807	35	10	19	2	
5000 & OVER....	94	81	9	1	2	-	
UNKNOWN.....	16	8	3	-	-	-	
		RACE OF CHILD					
		JAPA- NESE	HAWAI- IAN	FILI- PINO	OTHER ASIAN & P.I.	OTHER NON- WHITE	N.S.
TOTAL.....	181	58	170	683	16	13	
499 & LESS.....	-	-	-	1	-	-	
500-999.....	1	1	4	4	-	-	
1000-1499.....	-	-	1	1	-	1	
1500-1999.....	1	-	1	5	-	1	
2000-2499.....	4	3	7	40	-	-	
2500-2999.....	33	6	30	119	4	1	
3000-3499.....	68	24	73	288	6	2	
3500-3999.....	49	18	40	179	3	3	
4000-4499.....	20	5	12	41	3	2	
4500-4999.....	4	1	2	3	-	-	
5000 & OVER....	-	-	-	1	-	-	
UNKNOWN.....	1	-	-	1	-	3	
- QUANTITY IS ZERO							

- QUANTITY IS ZERO

TABLE 2-16. CONGENITAL MALFORMATIONS REPORTED ON BIRTH CERTIFICATE
BY COUNTY OF RESIDENCE, OREGON, 1987

COUNTY OF RESIDENCE	TOTAL	NERVOUS SYSTEM AND SENSE ORGANS				CIRCULATORY SYSTEM		DIGESTIVE SYSTEM		
		ANENCEPHALUS	SPINA BIFIDA	OTHER NERVOUS SYSTEM	SENSE ORGANS	HEART	OTHER	CLEFT PALATE AND/OR LIP	UPPER ALIMENTARY TRACT	OTHER
TOTAL.....	467	7	5	10	21	27	5	36	11	13
BAKER.....	5	-	-	-	-	-	-	3	-	-
BENTON.....	9	-	-	1	-	-	-	1	-	1
CLACKAMAS..	27	-	1	-	-	2	1	2	1	1
CLATSOP.....	7	-	-	-	-	-	-	-	1	-
COLUMBIA....	7	-	1	-	-	1	-	1	-	-
COOS.....	15	1	-	-	-	1	-	2	-	-
CROOK.....	5	-	-	-	-	-	-	-	-	-
CURRY.....	3	-	-	-	-	-	-	-	-	1
DESCHUTES..	27	-	1	-	3	1	1	1	1	1
DOUGLAS....	12	-	-	-	-	2	-	-	-	-
GILLIAM....	1	-	-	-	-	-	-	-	-	-
GRANT.....	3	-	-	-	-	-	-	-	-	-
HARNEY.....	2	-	-	-	-	-	-	1	-	-
HOOD RIVER..	2	-	-	-	-	1	-	-	-	-
JACKSON....	16	-	-	1	2	1	-	1	-	2
JEFFERSON..	11	-	-	1	-	1	-	2	1	-
JOSEPHINE..	15	-	-	-	2	2	-	2	1	1
KLAMATH....	11	-	-	1	1	1	-	1	-	-
LAKE.....	1	-	-	-	-	1	-	-	-	-
LANE.....	32	1	1	1	1	1	-	3	1	-
LINCOLN....	11	-	-	-	-	1	1	-	-	1
LINN.....	13	2	-	-	-	-	-	1	-	-
MALHEUR....	12	-	-	-	1	-	-	-	1	-
MARION.....	23	-	-	1	1	2	-	3	1	1
MORROW....	9	-	-	-	-	-	-	1	-	-
MULTNOMAH..	77	1	-	3	4	5	-	4	1	-
POLK.....	8	-	-	-	2	-	-	2	1	-
SHERMAN....	-	-	-	-	-	-	-	-	-	-
TILLAMOOK..	1	-	-	-	-	-	-	-	-	-
UMATILLA...	49	-	-	-	2	-	-	1	1	-
UNION.....	2	-	-	-	-	-	-	-	-	-
WALLOWA....	1	-	-	-	-	-	-	-	-	-
WASCO.....	3	-	-	-	-	-	-	1	-	1
WASHINGTON.	27	2	1	1	1	4	1	2	-	2
WHEELER....	-	-	-	-	-	-	-	-	-	-
YAMHILL....	20	-	-	-	1	-	1	1	-	1

- QUANTITY IS ZERO

TABLE 2-16. CONGENITAL MALFORMATIONS REPORTED ON BIRTH CERTIFICATE
BY COUNTY OF RESIDENCE, OREGON, 1987

COUNTY OF RESIDENCE	GENITO-URINARY SYSTEM			MUSCULOSKELETAL SYSTEM					OTHER SPECIFIED SITES			MULTIPLE SITES
	HYPOSPADIAS	OTHER GENITAL ORGANS	URINARY ORGANS	CLUBFOOT	POLYDACTYLY	SYNDACTYLY	CONGENITAL DISLOCATION OF HIP	OTHER	DOWN SYNDROME	SKIN	OTHER SPECIFIED SITES	
TOTAL	17	9	14	23	13	9	8	60	22	46	104	7
BAKER	1	-	-	1	-	-	-	1	-	-	-	-
BENTON	-	-	-	-	1	-	-	1	-	1	3	-
CLACKAMAS	1	-	1	2	1	1	-	6	-	1	6	-
CLATSOP	1	-	-	-	-	-	-	2	-	-	3	-
COLUMBIA	-	-	-	-	-	-	-	-	1	-	2	1
COOS	1	-	-	2	-	-	-	4	1	1	2	-
CROOK	-	1	-	1	-	1	-	1	-	1	-	-
CURRY	-	-	-	-	-	-	-	-	-	-	2	-
DESCHUTES	1	1	-	1	2	-	1	8	-	1	3	-
DOUGLAS	1	-	-	-	-	-	-	3	3	1	2	-
GILLIAM	-	-	-	-	-	-	-	-	-	1	-	-
GRANT	-	1	-	-	-	-	-	1	-	-	-	1
HARNEY	-	-	-	-	-	-	-	1	-	-	-	-
HOOD RIVER	-	-	-	1	-	-	-	-	-	-	-	-
JACKSON	-	-	2	-	1	-	-	2	1	2	1	-
JEFFERSON	-	-	-	1	-	-	-	-	1	1	1	-
JOSEPHINE	1	1	-	1	1	-	-	2	1	1	3	-
KLAMATH	-	-	1	1	-	-	-	1	1	-	3	-
LAKE	-	-	-	-	-	-	-	-	-	-	-	-
LANE	1	1	-	1	1	-	1	2	-	5	10	1
LINCOLN	-	-	1	1	-	1	-	-	1	1	3	-
LINN	-	-	-	1	-	1	-	5	-	2	1	-
MALHEUR	1	1	-	1	1	1	1	-	-	-	4	-
MARION	-	-	4	-	-	1	-	2	2	1	4	-
MORROW	-	-	-	-	-	-	-	-	-	4	4	-
MULTNOMAH	3	-	3	4	4	2	3	9	7	4	18	2
POLK	1	-	-	-	-	-	-	-	1	-	1	-
SHERMAN	-	-	-	-	-	-	-	-	-	-	-	-
TILLAMOOK	-	-	-	-	-	-	-	-	-	-	1	-
UMATILLA	2	2	-	-	-	1	-	3	3	14	20	-
UNION	-	-	-	-	-	-	-	2	-	-	-	-
WALLOWA	1	-	-	-	-	-	-	-	-	-	-	-
WASCO	-	-	-	-	-	-	-	1	-	-	-	-
WASHINGTON	-	-	1	2	1	-	-	3	-	2	4	-
WHEELER	-	-	-	-	-	-	-	-	-	-	-	-
YAMHILL	1	1	1	2	-	-	2	1	-	3	3	2

- QUANTITY IS ZERO

TABLE 2-17. COMPLICATIONS OF PREGNANCY BY COUNTY OF RESIDENCE,
OREGON RESIDENT BIRTHS, 1987

COUNTY OF RESIDENCE	TOTAL BIRTHS	PERCENT WITH COMPLI- CATIONS	COMPLICATION			
			PRE- ECLAMPSIA	ANEMIA	HEMORRHAGE OF PREGNANCY	ECLAMPSIA
TOTAL.....	38,674	7.8	561	262	144	5
BAKER.....	198	6.1	4	1	-	-
BENTON.....	876	11.4	11	10	1	-
CLACKAMAS..	3,289	7.9	35	10	12	-
CLATSOP....	446	7.8	5	1	3	-
COLUMBIA....	467	7.5	8	4	2	1
COOS.....	754	8.5	11	2	2	-
CROOK.....	175	13.1	2	-	-	-
CURRY.....	233	12.4	8	1	2	-
DESCHUTES..	943	13.6	12	5	7	-
DOUGLAS....	1,358	4.8	16	2	4	-
GILLIAM....	14	14.3	-	-	-	-
GRANT.....	111	7.2	3	-	-	-
HARNEY.....	102	6.9	3	1	-	-
HOOD RIVER..	265	7.2	3	-	2	-
JACKSON....	1,882	7.4	13	43	6	-
JEFFERSON..	272	8.5	3	1	2	-
JOSEPHINE..	802	9.6	11	6	9	-
KLAMATH....	846	12.3	15	27	1	-
LAKE.....	110	11.8	7	1	1	-
LANE.....	3,739	8.8	60	25	5	-
LINCOLN....	469	14.9	12	9	1	-
LINN.....	1,249	7.4	19	11	5	-
MALHEUR....	431	10.0	6	5	5	-
MARION.....	3,312	6.4	49	20	8	1
MORROW.....	126	18.3	1	6	-	-
MULTNOMAH..	8,481	5.7	87	26	28	1
POLK.....	654	9.5	15	3	1	-
SHERMAN....	20	10.0	-	-	-	1
TILLAMOOK..	204	4.9	10	-	-	-
UMATILLA...	941	11.5	20	22	6	-
UNION.....	309	5.2	5	1	1	-
WALLOWA....	75	8.0	3	-	-	-
WASCO.....	290	10.7	12	1	3	-
WASHINGTON.	4,381	7.1	70	17	19	1
WHEELER....	10	10.0	1	-	-	-
YAMHILL....	840	7.9	21	1	8	-

- QUANTITY IS ZERO

TABLE 2-17. COMPLICATIONS OF PREGNANCY, OREGON, 1987, CONTINUED

COUNTY OF RESIDENCE	COMPLICATION					
	POLY- HYDRA- MINIOS	POST-DATES (>42 WEEKS)	INCOMPETENT CERVIX	GESTATIONAL DIABETES	OTHER	MULTIPLE OF THOSE LISTED
TOTAL.....	57	489	80	587	760	64
BAKER.....	-	3	1	1	2	-
BENTON.....	-	28	3	28	15	4
CLACKAMAS...	5	22	5	92	75	4
CLATSOP....	1	7	1	7	8	2
COLUMBIA....	-	4	1	7	6	2
COOS.....	1	13	-	19	13	3
CROOK.....	1	9	1	1	9	-
CURRY.....	-	10	1	1	5	1
DESCHUTES..	3	25	4	16	56	-
DOUGLAS....	1	16	4	4	17	1
GILLIAM....	-	1	-	-	-	1
GRANT.....	-	1	1	2	1	-
HARNEY.....	-	-	-	1	2	-
HOOD RIVER..	-	5	1	4	4	-
JACKSON....	1	17	-	21	35	3
JEFFERSON..	2	4	-	2	6	3
JOSEPHINE..	5	2	-	16	27	1
KLAMATH....	7	26	2	11	10	5
LAKE.....	-	2	-	-	2	-
LANE.....	5	72	9	61	87	5
LINCOLN....	-	16	2	15	12	3
LINN.....	1	17	1	15	24	-
MALHEUR....	1	14	-	3	9	-
MARION.....	3	46	8	25	49	2
MORROW.....	1	6	-	4	4	1
MULTNOMAH..	5	51	17	126	132	12
POLK.....	1	9	1	13	19	-
SHERMAN....	-	1	-	-	-	-
TILLAMOOK..	-	-	-	-	-	-
UMATILLA...	-	28	3	14	12	3
UNION.....	-	1	1	3	4	-
WALLOWA....	-	1	-	-	1	1
WASCO.....	-	6	2	1	4	2
WASHINGTON.	12	22	10	63	91	5
WHEELER....	-	-	-	-	-	-
YAMHILL....	1	4	1	11	19	-

- QUANTITY IS ZERO

TABLE 2-18. CONCURRENT ILLNESS DURING GESTATION BY COUNTY OF RESIDENCE, OREGON, 1987

COUNTY OF RESIDENCE	TOTAL BIRTHS	PERCENT WITH ILLNESS	CONCURRENT ILLNESS						RUBELLA
			CHRONIC HYPER- TENSION	RH SENSI- TIZATION	HERPES	DIABETES	ACUTE URINARY TRACT INFECTION	SYPHILIS	
TOTAL.....	38,674	4.3	191	171	291	106	181	12	2
BAKER.....	198	2.5	2	-	-	-	1	-	-
BENTON.....	876	4.8	2	2	14	-	-	-	-
CLACKAMAS...	3,289	4.0	11	15	27	8	16	-	-
CLATSOP.....	446	8.1	-	5	3	-	3	-	1
COLUMBIA....	467	4.7	2	2	2	4	4	-	-
COOS.....	754	5.4	9	1	6	7	6	-	-
CROOK.....	175	2.9	3	1	-	-	-	-	-
CURRY.....	233	2.6	-	-	1	-	3	-	-
DESCHUTES...	943	5.1	5	7	8	2	3	-	-
DOUGLAS....	1,358	2.6	7	-	5	3	4	-	-
GILLIAM.....	14	7.1	-	-	-	-	-	-	-
GRANT.....	111	.9	1	-	-	-	-	-	-
HARNEY.....	102	3.9	-	-	2	-	1	-	-
HOOD RIVER..	265	3.0	1	-	-	2	-	-	-
JACKSON....	1,882	3.7	15	-	14	4	9	-	-
JEFFERSON...	272	4.4	-	1	3	1	1	-	-
JOSEPHINE...	802	7.1	6	1	8	2	13	1	-
KLAMATH....	846	4.7	3	-	9	3	4	-	-
LAKE.....	110	2.7	1	1	-	-	-	-	-
LAKE.....	3,739	3.2	21	4	24	5	15	2	-
LINCOLN....	469	8.5	2	2	9	1	9	-	-
LINN.....	1,249	5.8	7	2	21	2	11	-	-
MALHEUR....	431	3.0	-	-	2	1	3	-	-
MARION.....	3,312	2.7	17	4	14	9	11	1	-
MORROW.....	126	23.0	1	13	1	1	5	1	-
MULTNOMAH..	8,481	4.2	34	27	70	22	18	3	-
POLK.....	654	4.0	5	2	6	1	-	-	-
SHERMAN....	20	.0	-	-	-	-	-	-	-
TILLAMOOK..	204	2.9	2	-	2	1	-	-	-
UMATILLA...	941	12.4	6	55	5	1	27	-	-
UNION.....	309	1.9	1	-	1	-	-	-	-
WALLOWA....	75	.0	-	-	-	-	-	-	-
WASCO.....	290	7.9	2	-	5	9	-	1	-
WASHINGTON.	4,381	3.3	20	20	22	16	11	-	1
WHEELER....	10	.0	-	-	-	-	-	-	-
YAMHILL....	840	4.9	5	6	7	1	3	3	-

- QUANTITY IS ZERO

TABLE 2-18. CONCURRENT ILLNESS DURING GESTATION, OREGON, 1987, CONTINUED

COUNTY OF RESIDENCE	CONCURRENT ILLNESS								
	THYROID DISEASE	HEART DISEASE	ABDOMINAL SURGERY	COMPLI- CATIONS FROM IUD	CHRONIC RENAL DISEASE	MALIGNANT DISEASE	EPILEPSY	OTHER	MULTIPLE OF THOSE LISTED
TOTAL.....	31	42	36	6	6	10	61	465	40
BAKER.....	-	-	-	-	-	-	-	2	-
BENTON.....	3	1	2	-	-	1	3	13	1
CLACKAMAS..	2	7	2	-	1	-	3	38	2
CLATSOP.....	3	1	1	1	-	1	-	16	1
COLUMBIA....	1	2	-	-	-	-	-	5	-
COOS.....	-	-	2	1	-	-	2	4	3
CROOK.....	-	-	-	-	-	-	-	1	-
CURRY.....	-	-	-	-	-	-	1	1	-
DESCHUTES..	2	3	-	-	-	-	4	13	1
DOUGLAS....	-	-	2	-	-	1	2	11	-
GILLIAM....	-	-	-	-	-	-	1	-	-
GRANT.....	-	-	-	-	-	-	-	-	-
HARNEY.....	-	-	-	-	-	-	-	1	-
HOOD RIVER..	-	-	1	-	-	-	-	4	-
JACKSON....	-	-	1	1	-	-	3	22	1
JEFFERSON..	1	1	-	-	-	-	2	2	-
JOSEPHINE..	-	3	1	-	-	-	2	20	-
KLAMATH....	1	-	1	-	-	-	4	15	-
LAKE.....	-	-	1	-	-	-	-	-	-
LANE.....	2	6	2	-	2	1	6	28	2
LINCOLN....	2	-	-	-	-	1	2	10	2
LINN.....	2	1	-	1	-	-	2	23	1
MALHEUR....	-	1	3	-	-	-	1	2	-
MARION.....	-	2	3	-	1	1	4	19	2
MORROW.....	-	-	-	-	-	-	1	4	2
MULTNOMAH..	5	7	9	-	1	2	8	142	8
POLK.....	1	1	1	1	-	-	-	6	2
SHERMAN....	-	-	-	-	-	-	-	-	-
TILLAMOOK..	-	-	-	-	-	-	1	-	-
UMATILLA...	2	-	2	-	1	-	1	9	8
UNION.....	-	-	-	-	-	-	-	4	-
WALLOWA....	-	-	-	-	-	-	-	-	-
WASCO.....	1	-	-	-	-	-	2	3	-
WASHINGTON.	2	5	1	-	-	2	4	37	4
WHEELER....	-	-	-	-	-	-	-	-	-
YAMHILL....	1	1	1	1	-	-	2	10	-

- QUANTITY IS ZERO

TABLE 2-19. MATERNAL RISK FACTORS BY COUNTY OF RESIDENCE, OREGON, 1987

COUNTY	LIVE BIRTHS	PERCENT							
		INADE- QUATE CARE	UNDER 18 YEARS OF AGE	35 YEARS OR OLDER	4+ LIVE BIRTHS	NON- WHITE	LESS THAN 12 YEARS EDUCA- TION	UNWED	PLURAL BIRTH
TOTAL.....	38,674	8.6	4.1	8.3	10.0	7.9	20.3	22.4	2.1
BAKER.....	198	3.5	5.6	7.1	13.6	2.5	20.7	16.2	4.0
BENTON.....	876	4.6	1.5	13.2	9.5	7.8	8.2	11.5	3.0
CLACKAMAS...	3,289	7.4	3.1	11.4	8.1	3.7	14.0	16.0	2.4
CLATSOP.....	446	5.8	3.6	7.4	10.8	3.8	22.2	20.9	3.1
COLUMBIA...	467	6.9	4.5	7.1	12.4	3.2	16.9	22.9	3.6
COOS.....	754	13.9	4.9	7.3	8.6	5.8	27.6	23.7	1.3
CROOK.....	175	8.0	4.6	5.1	8.6	2.9	26.3	14.3	2.3
CURRY.....	233	15.9	4.3	7.3	9.9	4.7	19.7	17.6	.9
DESCHUTES...	943	8.8	4.1	7.8	9.3	3.4	20.4	20.4	1.7
DOUGLAS....	1,358	9.1	4.9	6.3	10.2	3.2	24.4	23.8	1.5
GILLIAM....	14	.0	.0	14.3	7.1	.0	.0	.0	.0
GRANT.....	111	7.2	4.5	4.5	8.1	2.7	9.9	14.4	1.8
HARNEY.....	102	9.8	4.9	4.9	8.8	4.9	26.5	11.8	3.9
HOOD RIVER...	265	9.1	2.6	8.7	13.6	4.2	36.2	13.6	.8
JACKSON....	1,882	11.2	4.6	7.1	9.9	2.5	21.7	24.5	2.8
JEFFERSON...	272	17.3	5.9	7.0	16.2	41.9	41.2	33.5	.0
JOSEPHINE...	802	15.7	4.9	9.0	12.8	3.0	31.2	26.1	2.5
KLAMATH....	846	13.8	4.8	5.8	9.6	10.0	25.4	24.5	1.7
LAKE.....	110	10.0	2.7	4.5	10.9	4.5	22.7	20.9	7.3
LANE.....	3,739	11.0	3.6	8.5	9.6	6.0	19.7	23.7	1.6
LINCOLN....	469	8.7	4.3	10.0	8.3	5.1	22.6	26.4	1.3
LINN.....	1,249	9.0	6.2	4.6	9.4	2.3	26.6	25.3	1.8
MALHEUR....	431	9.0	5.8	8.4	16.9	3.5	30.6	21.3	1.2
MARION....	3,312	8.0	4.9	7.5	13.1	5.9	24.9	23.9	1.9
MORROW....	126	4.0	8.7	4.0	11.9	.0	31.0	15.9	3.2
MULTNOMAH..	8,481	8.5	4.2	8.7	8.4	17.0	19.4	27.9	2.3
POLK.....	654	6.1	4.7	8.4	13.5	4.9	21.4	20.3	1.8
SHERMAN....	20	5.0	.0	5.0	.0	.0	5.0	10.0	.0
TILLAMOOK..	204	10.8	3.4	4.9	10.3	2.0	25.5	24.0	2.9
UMATILLA...	941	10.2	5.7	6.0	15.0	7.0	23.5	26.9	2.6
UNION.....	309	10.0	3.9	8.4	10.7	4.2	16.8	19.1	1.3
WALLOWA....	75	4.0	.0	2.7	12.0	4.0	10.7	9.3	.0
WASCO.....	290	15.2	4.5	6.6	11.0	6.6	24.5	26.6	1.4
WASHINGTON.	4,381	4.1	2.2	9.4	8.4	7.3	13.2	14.1	2.6
WHEELER....	10	10.0	.0	10.0	10.0	10.0	30.0	10.0	.0
YAMHILL....	840	7.0	5.7	7.5	13.1	3.1	23.2	22.4	1.5

TABLE 2-20. RISK COUNT FREQUENCIES BY RESIDENT COUNTY, OREGON, 1987

RESIDENT COUNTY	TOTAL BIRTHS	NUMBER OF RISK FACTORS					
		ZERO	ONE	TWO	THREE	FOUR	FIVE
TOTAL.....	38,674	21,637	10,518	4,372	1,804	333	10
BAKER.....	198	120	50	20	7	1	-
BENTON.....	876	588	210	63	11	4	-
CLACKAMAS..	3,289	2,024	868	259	116	20	2
CLATSOP....	446	256	117	53	16	4	-
COLUMBIA....	467	261	138	50	14	4	-
COOS.....	754	388	197	107	54	8	-
CROOK.....	175	97	54	19	4	1	-
CURRY.....	233	127	68	29	8	1	-
DESCHUTES..	943	544	254	96	43	6	-
DOUGLAS....	1,358	722	395	160	69	12	-
GILLIAM....	14	12	2	-	-	-	-
GRANT.....	111	79	21	7	3	1	-
HARNEY.....	102	61	22	15	4	-	-
HOOD RIVER.	265	126	92	37	9	1	-
JACKSON....	1,882	977	561	237	87	19	1
JEFFERSON..	272	97	85	65	20	5	-
JOSEPHINE..	802	365	227	135	65	9	1
KLAMATH....	846	436	234	118	45	13	-
LAKE.....	110	67	20	16	4	3	-
LANE.....	3,739	2,054	1,020	456	173	36	-
LINCOLN....	469	239	142	62	23	3	-
LINN.....	1,249	674	326	155	77	17	-
MALHEUR....	431	217	121	59	25	9	-
MARION.....	3,312	1,747	938	408	191	28	-
MURROW.....	126	72	29	17	8	-	-
MULTNOMAH..	8,481	4,521	2,413	1,018	451	76	2
POLK.....	654	371	181	69	27	6	-
SHERMAN....	20	16	3	1	-	-	-
TILLAMOOK..	204	113	52	25	7	7	-
UMATILLA...	941	486	269	115	57	11	3
UNION.....	309	176	86	37	8	2	-
WALLONA....	75	58	13	4	-	-	-
WASCO.....	290	144	83	44	14	5	-
WASHINGTON.	4,381	2,934	1,002	303	129	12	1
WHEELER....	10	6	2	2	-	-	-
YAMHILL....	840	462	223	111	35	9	-

1/ THERE WERE NO MOTHERS WHO HAD ALL SEVEN RISK FACTORS

TABLE 2-21. RISK COUNT PERCENTAGES BY RESIDENT COUNTY, OREGON, 1987

RESIDENT COUNTY	TOTAL BIRTHS	PERCENT					
		NUMBER OF RISK FACTORS					
		ZERO	ONE	TWO	THREE	FOUR	FIVE
TOTAL.....	38,674	55.9	27.2	11.3	4.7	0.9	0.0
BAKER.....	198	60.6	25.3	10.1	3.5	.5	-
BENTON.....	876	67.1	24.0	7.2	1.3	.5	-
CLACKAMAS...	3,289	61.5	26.4	7.9	3.5	.6	.1
CLATSOP.....	446	57.4	26.2	11.9	3.6	.9	-
COLUMBIA...	467	55.9	29.6	10.7	3.0	.9	-
COOS.....	754	51.5	26.1	14.2	7.2	1.1	-
CROOK.....	175	55.4	30.9	10.9	2.3	.6	-
CURRY.....	233	54.5	29.2	12.4	3.4	.4	-
DESCHUTES...	943	57.7	26.9	10.2	4.6	.6	-
DOUGLAS.....	1,358	53.2	29.1	11.8	5.1	.9	-
GILLIAM.....	14	85.7	14.3	-	-	-	-
GRANT.....	111	71.2	18.9	6.3	2.7	.9	-
HARNEY.....	102	59.8	21.6	14.7	3.9	-	-
HOOD RIVER...	265	47.5	34.7	14.0	3.4	.4	-
JACKSON.....	1,882	51.9	29.8	12.6	4.6	1.0	.1
JEFFERSON...	272	35.7	31.3	23.9	7.4	1.8	.1
JOSEPHINE...	802	45.5	28.3	16.8	8.1	1.1	.1
KLAMATH.....	846	51.5	27.7	13.9	5.3	1.5	-
LAKE.....	110	60.9	18.2	14.5	3.6	2.7	-
LANE.....	3,739	54.9	27.3	12.2	4.6	1.0	-
LINCOLN....	469	51.0	30.3	13.2	4.9	.6	-
LINN.....	1,249	54.0	26.1	12.4	6.2	1.4	-
MALHEUR....	431	50.3	28.1	13.7	5.8	2.1	-
MARION.....	3,312	52.7	28.3	12.3	5.8	.8	-
MORROW.....	126	57.1	23.0	13.5	6.3	-	-
MULTNOMAH..	8,481	53.3	28.5	12.0	5.3	.9	.0
POLK.....	654	56.7	27.7	10.6	4.1	.9	-
SHERMAN....	20	80.0	15.0	5.0	-	-	-
TILLAMOOK..	204	55.4	25.5	12.3	3.4	3.4	-
UMATILLA...	941	51.6	28.6	12.2	6.1	1.2	.3
UNION.....	309	57.0	27.8	12.0	2.6	.6	-
WALLOWA....	75	77.3	17.3	5.3	-	-	-
WASCO.....	290	49.7	28.6	15.2	4.8	1.7	-
WASHINGTON.	4,381	67.0	22.9	6.9	2.9	.3	.0
WHEELER....	10	60.0	20.0	20.0	-	-	-
YAMHILL....	840	55.0	26.5	13.2	4.2	1.1	-

1/ THERE WERE NO MOTHERS WHO HAD ALL SEVEN RISK FACTORS

TABLE 2-22. MATERNAL RISK FACTORS BY RACE OF CHILD, OREGON, 1987

RACE OF CHILD	LIVE BIRTHS	PERCENT						
		INADE- QUATE CARE	UNDER 18 YEARS OF AGE	35 YEARS OR OLDER	4+ LIVE BIRTHS	LESS THAN 12 YEARS EDUCA- TION	UNWED	PLURAL BIRTH
TOTAL.....	38,674	8.6	4.1	8.3	10.0	20.3	22.4	2.1
WHITE.....	33,577	7.7	3.7	8.4	9.2	17.9	21.1	2.2
HISPANIC....	2,019	15.2	7.7	5.3	19.0	52.4	24.7	2.1
BLACK.....	1,013	16.6	9.4	5.8	13.4	25.8	58.5	2.9
INDIAN.....	733	19.1	7.0	6.7	16.0	35.2	43.0	.5
CHINESE....	211	5.7	.5	19.0	6.6	14.2	2.8	2.8
JAPANESE...	181	1.7	.0	16.0	5.0	2.8	4.4	.0
HAWAIIAN...	58	15.5	6.9	8.6	6.9	17.2	24.1	.0
FILIPINO...	170	12.4	1.2	12.9	5.9	15.9	9.4	2.4
OTHER ASIAN & PACIFIC ISLANDER...	683	11.1	3.1	10.1	12.2	28.0	16.7	.9
OTHER NON-WHITE	16	12.5	6.3	6.3	.0	37.5	12.5	12.5
N.S.....	13	30.8	.0	23.1	7.7	.0	15.4	.0

NOTE: RISK FACTORS EXPRESSED AS PERCENTAGE OF MOTHERS FALLING INTO RISK CATEGORY.

TABLE 2-23. INADEQUATE PRENATAL CARE BY MOTHER'S AGE, OREGON RESIDENTS, 1987

MOTHER'S AGE	TOTAL BIRTHS	PRENATAL CARE			RATE INADEQUATE 2/
		INADEQUATE 1/	ADEQUATE	NOT STATED	
TOTAL.....	38,674	3,335	35,293	46	86.2
< 15.....	59	16	43	-	271.2
15-19.....	4,363	799	3,553	11	183.1
20-24.....	10,791	1,239	9,537	15	114.8
25-29.....	12,209	767	11,436	6	62.8
30-34.....	8,038	351	7,677	10	43.7
35-39.....	2,829	138	2,687	4	48.8
40-44.....	370	23	347	-	62.2
45 +.....	13	2	11	-	153.8
N.S.....	2	-	2	-	.0

- QUANTITY IS ZERO

1/ LESS THAN 5 PRENATAL VISITS OR CARE BEGAN IN THE THIRD TRIMESTER

2/ ALL RATES PER 1,000 BIRTHS

TABLE 2-24. INADEQUATE PRENATAL CARE BY RACE OF CHILD, OREGON RESIDENTS, 1987

RACE OF CHILD	TOTAL BIRTHS	PRENATAL CARE			RATE INADEQUATE 2/
		INADEQUATE 1/	ADEQUATE	NOT STATED	
TOTAL.....	38,674	3,335	35,293	46	86.2
WHITE.....	33,577	2,593	30,952	32	77.2
HISPANIC...	2,019	307	1,708	4	152.1
BLACK.....	1,013	168	843	2	165.8
INDIAN.....	733	140	591	2	191.0
CHINESE....	211	12	199	-	56.9
JAPANESE...	181	3	178	-	16.6
HAWAIIAN...	58	9	49	-	155.2
FILIPINO...	170	21	149	-	123.5
OTHER ASIAN & PACIFIC ISLANDER.	683	76	606	1	111.3
OTHER NON-WHITE	16	2	14	-	125.0
N.S.....	13	4	4	5	307.7

- QUANTITY IS ZERO

1/ LESS THAN 5 PRENATAL VISITS OR CARE BEGAN IN THE THIRD TRIMESTER

2/ ALL RATES PER 1,000 BIRTHS

TABLE 2-25. INADEQUATE PRENATAL CARE BY EDUCATION, OREGON RESIDENTS, 1987

MOTHER'S EDUCATION (IN YEARS)	TOTAL BIRTHS	PRENATAL CARE			RATE INADEQUATE 2/
		INADEQUATE 1/	ADEQUATE	NOT STATED	
TOTAL.....	38,674	3,335	35,293	46	86.2
ZERO.....	90	26	64	-	288.9
ONE.....	25	9	16	-	360.0
TWO.....	36	4	32	-	111.1
THREE.....	93	21	72	-	225.8
FOUR.....	67	15	52	-	223.9
FIVE.....	72	25	47	-	347.2
SIX.....	196	35	161	-	178.6
SEVEN.....	150	34	115	1	226.7
EIGHT.....	571	146	425	-	255.7
NINE.....	1,280	266	1,012	2	207.8
TEN.....	2,477	484	1,990	3	195.4
ELEVEN.....	2,802	494	2,306	2	176.3
TWELVE.....	14,918	1,205	13,708	5	80.8
THIRTEEN...	3,667	195	3,472	-	53.2
FOURTEEN...	3,721	136	3,584	1	36.5
FIFTEEN....	1,345	50	1,295	-	37.2
SIXTEEN....	4,075	81	3,994	-	19.9
SEVENTEEN +	2,451	29	2,422	-	11.8
N.S.....	638	80	526	32	125.4

- QUANTITY IS ZERO

1/ LESS THAN 5 PRENATAL VISITS OR CARE BEGAN IN THE THIRD TRIMESTER

2/ ALL RATES PER 1,000 BIRTHS

TABLE 2-26. INADEQUATE PRENATAL CARE BY BIRTHWEIGHT, OREGON RESIDENTS, 1987

BIRTH-WEIGHT	TOTAL BIRTHS	PRENATAL CARE			RATE INADEQUATE 2/
		INADEQUATE 1/	ADEQUATE	NOT STATED	
TOTAL.....	38,674	3,335	35,293	46	86.2
499 & LESS.	47	28	19	-	595.7
500-999...	144	50	94	-	347.2
1000-1499..	137	34	101	2	248.2
1500-1999..	400	82	317	1	205.0
2000-2499..	1,358	223	1,132	3	164.2
2500-2999..	5,014	622	4,387	5	124.1
3000-3499..	13,345	1,108	12,223	14	83.0
3500-3999..	12,734	851	11,868	15	66.8
4000-4499..	4,502	275	4,224	3	61.1
4500-4999..	883	52	831	-	58.9
5000 & OVER	94	5	89	-	53.2
UNKNOWN....	16	5	8	3	312.5

- QUANTITY IS ZERO

1/ LESS THAN 5 PRENATAL VISITS OR CARE BEGAN IN THE THIRD TRIMESTER

2/ ALL RATES PER 1,000 BIRTHS

TABLE 2-27. INADEQUATE PRENATAL CARE BY COUNTY OF RESIDENCE, OREGON, 1987

COUNTY OF RESIDENCE	TOTAL BIRTHS	PRENATAL CARE			RATE INADEQUATE 2/
		INADEQUATE 1/	ADEQUATE	NOT STATED	
TOTAL.....	38,674	3,335	35,293	46	86.2
BAKER.....	198	7	188	3	35.4
BENTON.....	876	40	835	1	45.7 -
CLACKAMAS...	3,289	243	3,046	-	73.9 -
CLATSOP.....	446	26	420	-	58.3 -
COLUMBIA....	467	32	434	1	68.5
COOS.....	754	105	648	1	139.3 +
CROOK.....	175	14	161	-	80.0
CURRY.....	233	37	175	21	158.8 +
DESCHUTES..	943	83	860	-	88.0
DOUGLAS....	1,358	123	1,232	3	90.6
GILLIAM....	14	-	14	-	.0
GRANT.....	111	8	103	-	72.1
HARNEY.....	102	10	92	-	98.0
HOOD RIVER..	265	24	241	-	90.6
JACKSON....	1,882	210	1,670	2	111.6 +
JEFFERSON..	272	47	225	-	172.8 +
JOSEPHINE..	802	126	676	-	157.1 +
KLAMATH....	846	117	729	-	138.3 +
LAKE.....	110	11	99	-	100.0
LANE.....	3,739	412	3,326	1	110.2 +
LINCOLN....	469	41	428	-	87.4
LINN.....	1,249	113	1,136	-	90.5
MALHEUR....	431	39	390	2	90.5
MARION....	3,312	265	3,045	2	80.0
MORROW.....	126	5	121	-	39.7 -
MULTNOMAH..	8,481	722	7,754	5	85.1
POLK.....	654	40	613	1	61.2 -
SHERMAN....	20	1	19	-	50.0
TILLAMOOK..	204	22	182	-	107.8
UMATILLA...	941	96	845	-	102.0
UNION.....	309	31	278	-	100.3
WALLOWA....	75	3	72	-	40.0 -
WASCO.....	290	44	246	-	151.7 +
WASHINGTON.	4,381	178	4,201	2	40.6
WHEELER....	10	1	9	-	100.0
YAMHILL....	840	59	780	1	70.2

- QUANTITY IS ZERO

1/ CARE BEGAN IN 3RD TRIMESTER OR NUMBER OF VISITS IS LESS THAN 5

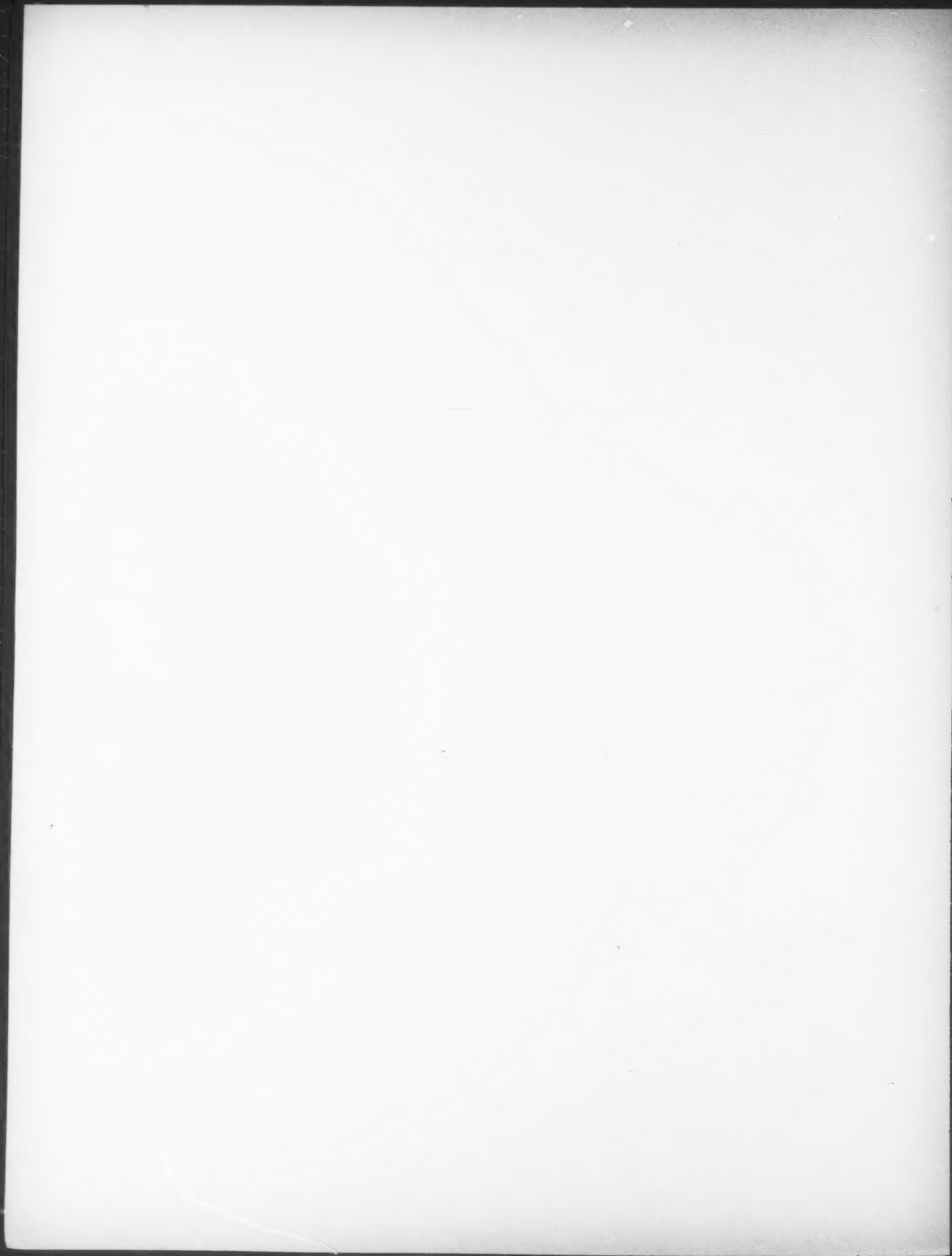
2/ ALL RATES PER 1,000 BIRTHS

NOTE: SYMBOL - DENOTES RATE IS SIGNIFICANTLY LOWER THAN STATE RATE
SYMBOL + DENOTES RATE IS SIGNIFICANTLY HIGHER THAN STATE RATE

TABLE 2-28. INADEQUATE PRENATAL CARE BY COUNTY OF RESIDENCE
FOR UNWED MOTHERS, OREGON, 1987

COUNTY OF RESIDENCE	TOTAL BIRTHS	PRENATAL CARE			RATE INADEQUATE 2/
		INADEQUATE 1/	ADEQUATE	NOT STATED	
TOTAL.....	8,659	1,655	6,996	8	191.1
BAKER.....	32	2	30	-	62.5 -
BENTON.....	101	19	82	-	188.1
CLACKAMAS..	525	110	415	-	209.5
CLATSOP....	93	13	80	-	139.8
COLUMBIA....	107	17	90	-	158.9
COOS.....	179	55	123	1	307.3 +
CROOK.....	25	7	18	-	280.0
CURRY.....	41	12	29	-	292.7
DESCHUTES..	192	40	152	-	208.3
DOUGLAS....	323	56	266	1	173.4
GILLIAM....	-	-	-	-	-
GRANT.....	16	5	11	-	312.5
HARNEY.....	12	3	9	-	250.0
HOOD RIVER..	36	5	31	-	138.9
JACKSON....	461	95	365	1	206.1
JEFFERSON..	91	20	71	-	219.8
JOSEPHINE..	209	55	154	-	263.2 +
KLAMATH....	207	48	159	-	231.9
LAKE.....	23	7	16	-	304.3
LANE.....	886	204	682	-	230.2 +
LINCOLN....	124	22	102	-	177.4
LINN.....	316	54	262	-	170.9
MALHEUR....	92	17	75	-	184.8
MARION....	793	113	679	1	142.5 -
MORROW....	20	1	19	-	50.0 -
MULTNOMAH..	2,367	463	1,901	3	195.6
POLK.....	133	19	114	-	142.9
SHERMAN....	2	-	2	-	.0
TILLAMOOK..	49	11	38	-	224.5
UMATILLA...	253	50	203	-	197.6
UNION.....	59	10	49	-	169.5
WALLOWA....	7	1	6	-	142.9
WASCO.....	77	21	56	-	272.7
WASHINGTON.	619	79	539	1	127.6 -
WHEELER....	1	-	1	-	.0
YAMHILL....	188	21	167	-	111.7 -

- QUANTITY IS ZERO
1/ CARE BEGAN IN 3RD TRIMESTER OR NUMBER OF VISITS IS LESS THAN 5
2/ ALL RATES PER 1,000 BIRTHS
NOTE: SYMBOL - DENOTES RATE IS SIGNIFICANTLY LOWER THAN THE STATE RATE
SYMBOL + DENOTES RATE IS SIGNIFICANTLY HIGHER THAN THE STATE RATE



FETAL DEATHS



FETAL DEATHS

Number and Ratio Set Record Low

Both the number and ratio of fetal deaths per 1,000 live births set record lows during the past year. The ratio declined 17.4 percent from 6.9 in 1986 to 5.5 in 1987, consistent with the long-term decline in the ratio since records were first kept in 1928. In that year the fetal death ratio was 29.0. Clearly, prenatal health care has come a long way.

Age at Death

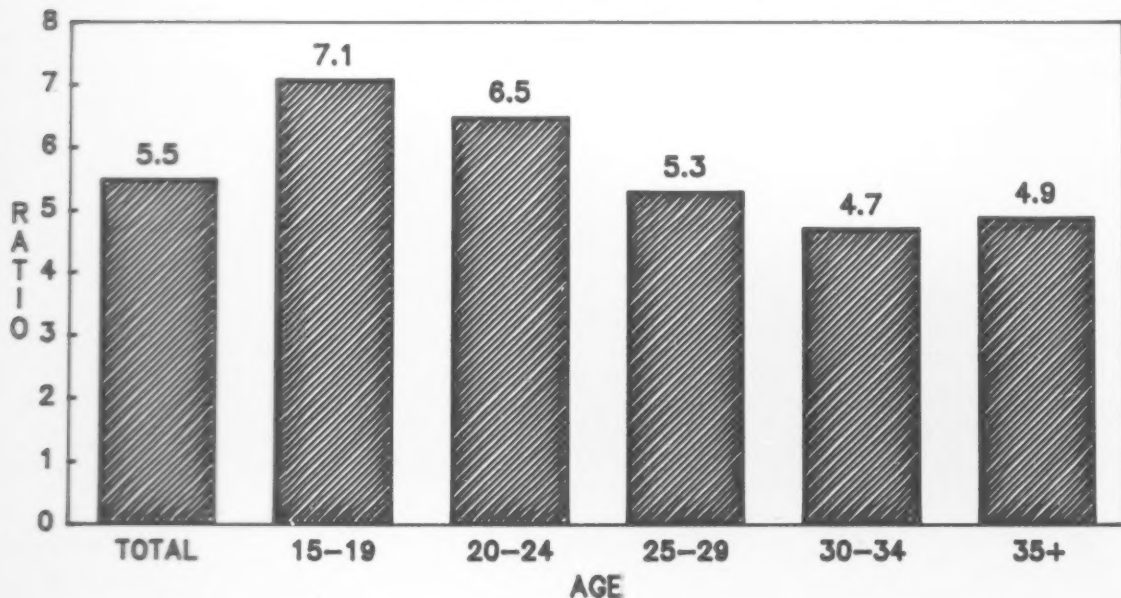
Fetal deaths are reportable in Oregon only when the gestation has progressed at least 20 weeks. In 1987, over one-half (61.7 percent) of the fetal deaths occurred between 20 and 31 weeks of gestation. By comparison 50.2 percent of the fetal deaths were in this category during 1984. This is due to a small increase in the number of the fetal deaths between 20 and 31 weeks, but more importantly to the decrease in the deaths of older fetuses; the number of deaths occurring 37 weeks or more since conception declined from 76 in 1984 to 49 in 1987.

Distribution by Mother's Age

The younger a pregnant women was during 1987, the more likely she was to have a fetal death (Figure 3-1). However, women 35 and older were at slightly increased risk compared to women in their early thirties. While women 20 to

FIGURE 3-1.

FETAL DEATHS PER 1,000 LIVE BIRTHS BY AGE OF THE WOMAN,
OREGON RESIDENTS, 1987



24 years old accounted for a plurality (31.5 percent) of the fetal deaths, the fetal death ratio for women age 15 to 19 was 9.2 percent higher than for women age 20 to 24 and 51.1 percent higher than for women 30 to 34 years old. Differences between the age groups should be viewed with caution, since the comparisons are based on small numbers.

Causes of Death

Complications of the placenta, cord, and membranes accounted for a plurality of the deaths (83). Ranking second was other and ill-defined conditions (58), followed by maternal complications of pregnancy (26), congenital anomalies (21) and maternal conditions which may be unrelated to pregnancy (8). These causes of death accounted for 88.2 percent of all 1987 fetal deaths. In 1987, substantially fewer deaths were due to maternal conditions which may have been unrelated to pregnancy than during 1986; the number of deaths in this category declined from 22 to 8.

Perinatal Deaths

Perinatal deaths include both fetal deaths and neonatal deaths; they may be considered as "...reflecting standards of obstetric and pediatric care as well as the effectiveness of social measures in general and of public health actions in particular." Perinatal deaths (Figure 3-2) in Oregon have declined over the last decade due to the decline in both neonatal and fetal deaths. The neonatal death rate has declined 29.5 percent since 1977, while the fetal death ratio declined by 25.0 percent in the same time period. The 1987 perinatal death rate of 11.0 represents a 28.6 percent reduction in the last decade.

FIGURE 3-2.
PERINATAL DEATHS PER 1,000 LIVE BIRTHS,
OREGON RESIDENTS, 1975-1987

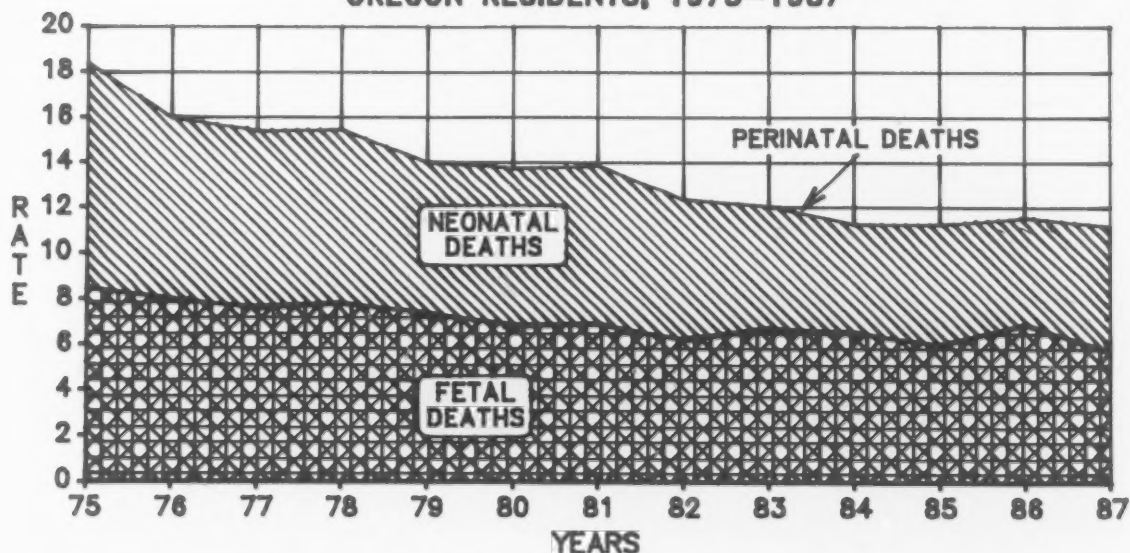


TABLE 3-1. FETAL DEATHS BY WEEKS OF GESTATION AND CAUSE OF DEATH, OREGON, 1987

CAUSE OF DEATH	TOTAL	WEEKS OF GESTATION								
		20-23	24-27	28-31	32-35	36	37-39	40	41+	N.S.
TOTAL.....	222	65	45	27	27	8	21	12	16	1
CONGENITAL ANOMALIES.....	21	6	3	4	3	1	4	-	-	-
MATERNAL CONDITION WHICH MAY BE UNRELATED.....	8	4	-	4	-	-	-	-	-	-
MATERNAL COMPLICATIONS OF PREGNANCY.....	26	16	7	1	1	-	-	1	-	-
COMPLICATIONS OF PLACENTA, CORD, AND MEMBRANES.....	83	22	21	8	11	-	6	7	7	1
OTHER COMPLICATIONS OF LABOR AND DELIVERY.....	6	3	-	-	-	2	-	-	1	-
SLOW FETAL GROWTH AND MALNUTRITION.....	1	-	-	-	1	-	-	-	-	-
SHORT GESTATION AND LOW BIRTH WEIGHT.....	5	3	2	-	-	-	-	-	-	-
LONG GESTATION AND HIGH BIRTH WEIGHT.....	2	-	-	-	-	-	-	-	2	-
BIRTH TRAUMA.....	-	-	-	-	-	-	-	-	-	-
INTRAUTERINE HYPOXIA AND BIRTH ASPHYXIA.....	6	-	2	2	-	-	1	-	1	-
RESPIRATORY DISTRESS SYNDROME.....	-	-	-	-	-	-	-	-	-	-
OTHER RESPIRATORY.....	-	-	-	-	-	-	-	-	-	-
PERINATAL INFECTIONS.....	1	-	-	1	-	-	-	-	-	-
FETAL AND NEONATAL HEMORRHAGE.....	1	-	-	-	-	-	-	1	-	-
HEMOLYTIC DISEASE.....	-	-	-	-	-	-	-	-	-	-
OTHER PERINATAL JAUNDICE..	-	-	-	-	-	-	-	-	-	-
ENDOCRINE OR METABOLIC DISTURBANCES.....	1	-	-	-	-	1	-	-	-	-
HEMATOLOGICAL DISORDERS...	-	-	-	-	-	-	-	-	-	-
DIGESTIVE DISORDERS.....	-	-	-	-	-	-	-	-	-	-
INTEGUMENT & TEMPERATURE REGULATION.....	3	-	1	-	1	-	-	1	-	-
OTHER & ILL-DEFINED.....	58	11	9	7	10	4	10	2	5	1

- QUANTITY IS ZERO

TABLE 3-2. FETAL DEATHS BY WEEKS OF GESTATION AND AGE OF MOTHER, OREGON RESIDENTS, 1987

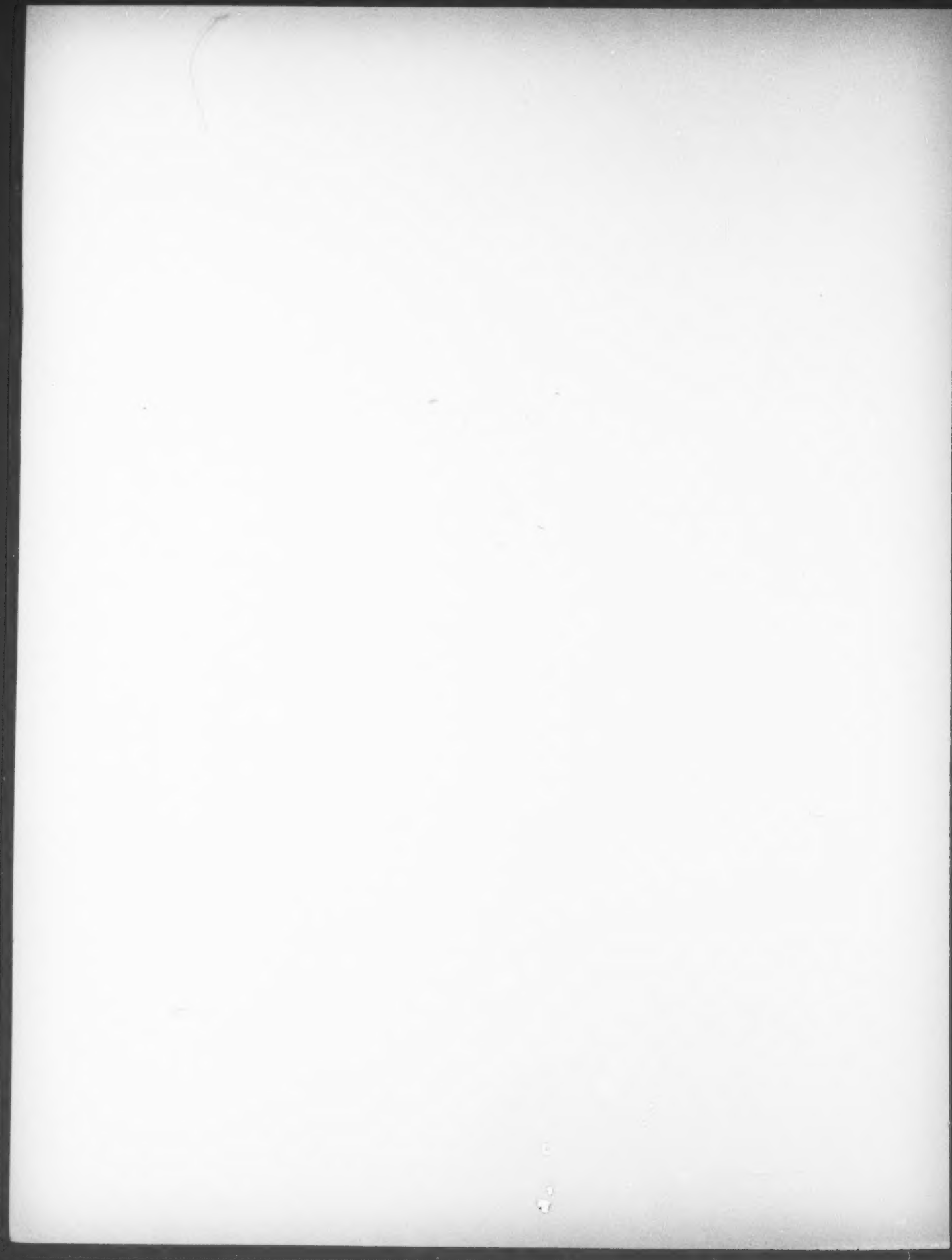
AGE OF MOTHER	TOTAL	WEEKS OF GESTATION								
		20-23	24-27	28-31	32-35	36	37-39	40	41+	N.S.
TOTAL..	222	65	45	27	27	8	21	12	16	1
15-19..	31	12	6	3	2	2	1	1	4	-
20-24..	70	16	20	9	14	2	4	2	3	-
25-29..	65	17	10	9	8	1	10	6	4	-
30-34..	38	16	5	3	2	2	5	2	3	-
35-39..	12	3	2	3	1	1	-	-	1	1
40-44..	4	1	1	-	-	-	1	1	-	-
45+....	-	-	-	-	-	-	-	-	-	-
N.S....	2	-	1	-	-	-	-	-	1	-

- QUANTITY IS ZERO

TABLE 3-3. FETAL DEATHS BY AGE OF MOTHER AND COUNTY OF RESIDENCE,
OREGON, 1987

PLACE OF RESIDENCE	TOTAL	AGE OF MOTHER							
		15-19	20-24	25-29	30-34	35-39	40-44	45+	N.S.
TOTAL.....	222	31	70	65	38	12	4	-	2
IN-STATE RATIO 1/.....	5.7	7.1	6.5	5.3	4.7	4.2	1/	-	1/
BAKER.....	1	-	1	-	-	-	-	-	-
BENTON.....	2	1	1	-	-	-	-	-	-
CLACKAMAS..	16	1	8	5	2	-	-	-	-
CLATSOP....	2	-	2	-	-	-	-	-	-
COLUMBIA....	3	-	2	-	-	1	-	-	-
COOS.....	1	-	-	1	-	-	-	-	-
CROOK.....	2	-	1	1	-	-	-	-	-
CURRY.....	3	1	-	1	-	1	-	-	-
DESCHUTES..	3	1	2	-	-	-	-	-	-
DOUGLAS....	16	-	8	5	3	-	-	-	-
GILLIAM....	-	-	-	-	-	-	-	-	-
GRANT.....	-	-	-	-	-	-	-	-	-
HARNEY.....	2	1	-	1	-	-	-	-	-
HOOD RIVER..	4	1	2	-	-	-	-	-	1
JACKSON....	16	3	6	6	-	-	1	-	-
JEFFERSON..	1	-	1	-	-	-	-	-	-
JOSEPHINE..	5	2	-	1	-	1	1	-	-
KLAMATH....	2	1	1	-	-	-	-	-	-
LAKE.....	-	-	-	-	-	-	-	-	-
LANE.....	27	5	6	10	4	2	-	-	-
LINCOLN....	1	-	1	-	-	-	-	-	-
LINN.....	4	-	2	1	1	-	-	-	-
MALHEUR....	1	1	-	-	-	-	-	-	-
MARION....	15	-	2	6	6	1	-	-	-
MORROW....	-	-	-	-	-	-	-	-	-
MULTNOMAH..	44	6	9	15	11	1	1	-	1
POLK.....	8	2	1	1	3	1	-	-	-
SHERMAN....	-	-	-	-	-	-	-	-	-
TILLAMOOK..	5	-	4	-	1	-	-	-	-
UMATILLA...	2	-	1	-	1	-	-	-	-
UNION.....	2	-	1	1	-	-	-	-	-
WALLOWA....	1	-	-	1	-	-	-	-	-
WASCO.....	1	-	-	-	-	1	-	-	-
WASHINGTON.	27	5	7	7	6	1	1	-	-
WHEELER....	-	-	-	-	-	-	-	-	-
YAMHILL....	5	-	1	2	-	2	-	-	-

1/ RATIOS NOT CALCULATED FOR FEWER THAN TEN EVENTS.
RATIOS PER 1,000 LIVE BIRTHS.
- QUANTITY IS ZERO.



MORTALITY

MORTALITY

Death Rates Highest Since 1974

One Oregonian dies every twenty-two minutes on the average. For the decade prior to 1982, the Oregon death rate fell sharply; however, since then the rate has increased annually, except during 1986. During 1987, the death rate rose 2.5 percent to 898.9 per 100,000 population compared to 877.2 the previous year. A record high 24,181 Oregonians died during 1987. For the fourth straight year, the death rate was higher in Oregon than in the nation (873.9). The Oregon rates for the five individual leading causes of death worsened over the previous year compared to the nation as a whole.

For the first time since 1975 there was a change in the rank order of the five leading causes of death. During 1987, more Oregonians died from chronic obstructive pulmonary disease than from unintentional injuries (accidents), displacing the latter from the fourth to fifth leading cause of death.

Both male and female death rates rose during 1987. Males less than 45 years old were more apt to die than previously, but among females those 45 or older were at greater risk of death during 1987. The largest increase occurred in boys 5 to 14 years old; their death rate was 31.7 percent higher. Figure 4-1 illustrates the change in death rates by age in recent years. Since 1980 the death rate among males edged up 3.1 percent, however for females the increase was five times greater, 15.9 percent. Nonetheless, the median age at death was higher in 1987 than during 1980 (Figure 4-2).

Heart Disease Death Rates Stable

Heart disease death rates edged up slightly from 292.8 in 1986 to 295.0 in 1987, but have changed relatively little overall since the beginning of the decade (Figure 4-3). This masks, however, a dichotomy between the sexes: rates for males have fallen from 339.0 in 1980 to 315.3 in 1987, but risen for females from 244.3 to 276.2, a 13.1 percent increase.

Heart disease is the preeminent cause of death, accounting for more than one of every three resident deaths, or one death every 66 minutes. The Oregon death rate has consistently been lower than the national rate, and is 5.5 percent lower than the estimated 1987 national rate of 312.3. In recent years, residents of the northern Willamette Valley have been significantly more likely than other Oregonians to die from heart disease.¹ Many conditions are included in the complex of heart disease. Most common are myocardial infarctions, coronary occlusions, coronary thromboses, and arteriosclerotic and cardiovascular heart disease, which comprise about 80 percent of all heart disease. The infarctions, occlusions and thromboses are acute, often terminal events, while the others represent chronic ailments of the cardiac function.

¹ Oregon Leading Causes of Mortality, 1976-1984. Center for Health Statistics, Health Division, Oregon Department of Human Resources. August 1986.

FIGURE 4-1.
AGE-SPECIFIC DEATH RATES AND CAUSES,
OREGON RESIDENTS, 1975-1987

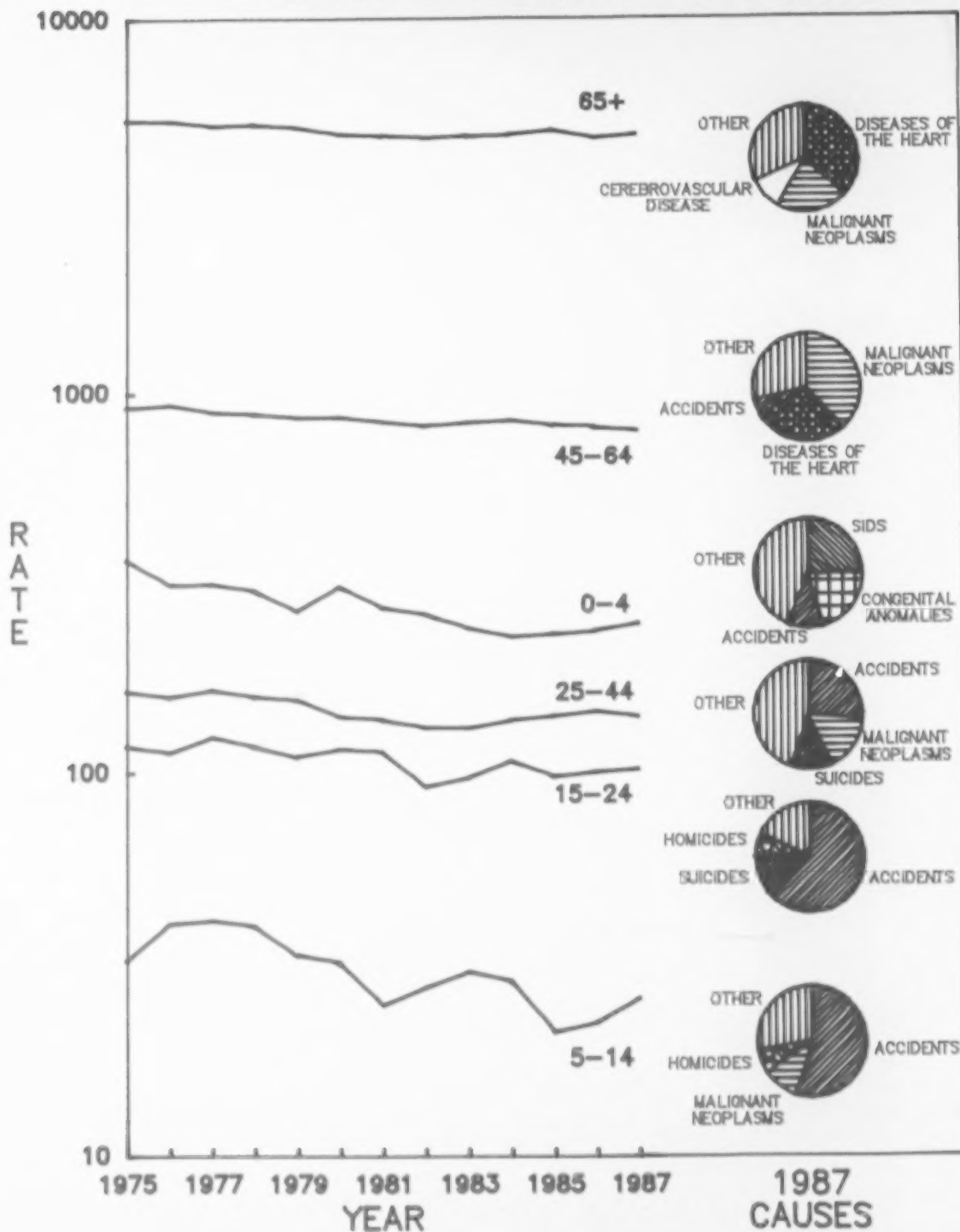


FIGURE 4-2.
PROPORTION OF DEATHS BY SELECTED AGE GROUPS,
OREGON RESIDENTS, 1920-1987

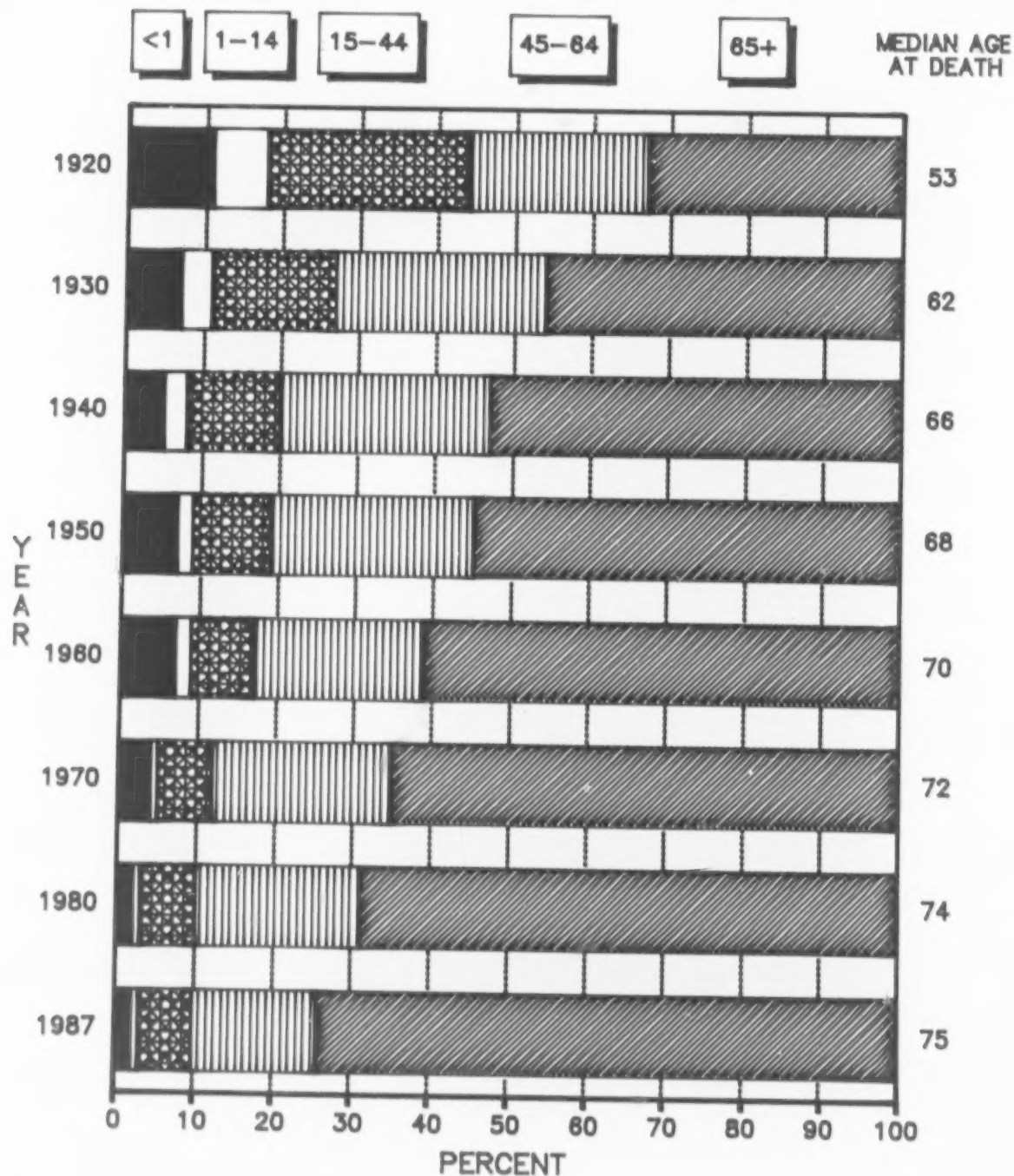
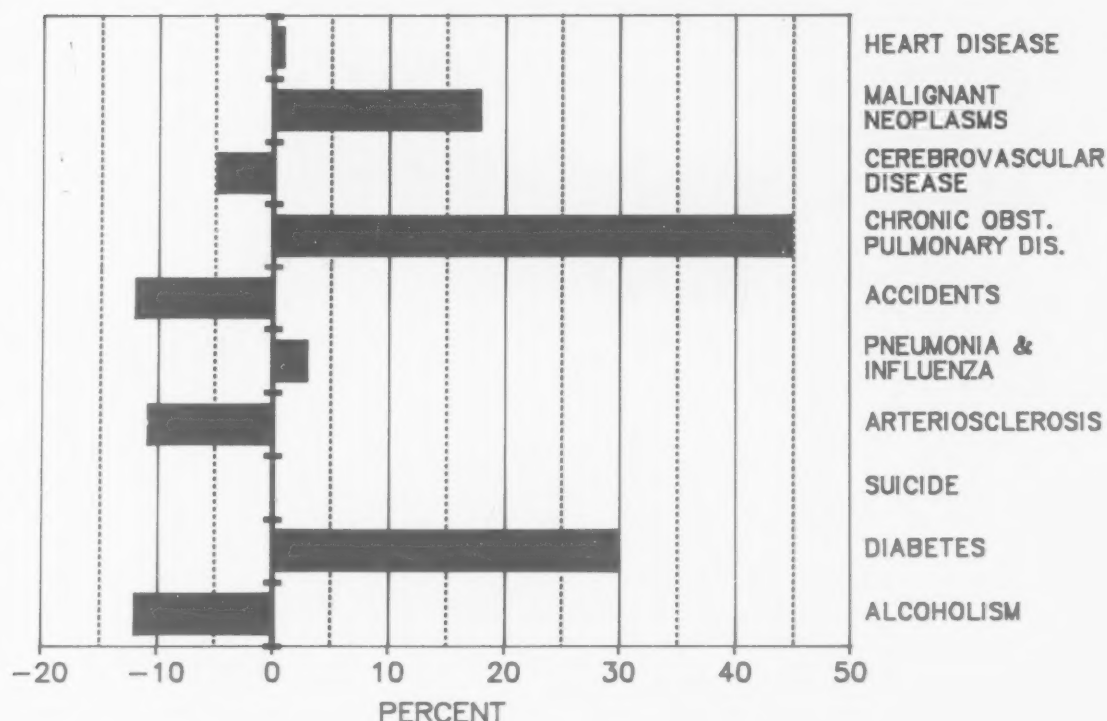


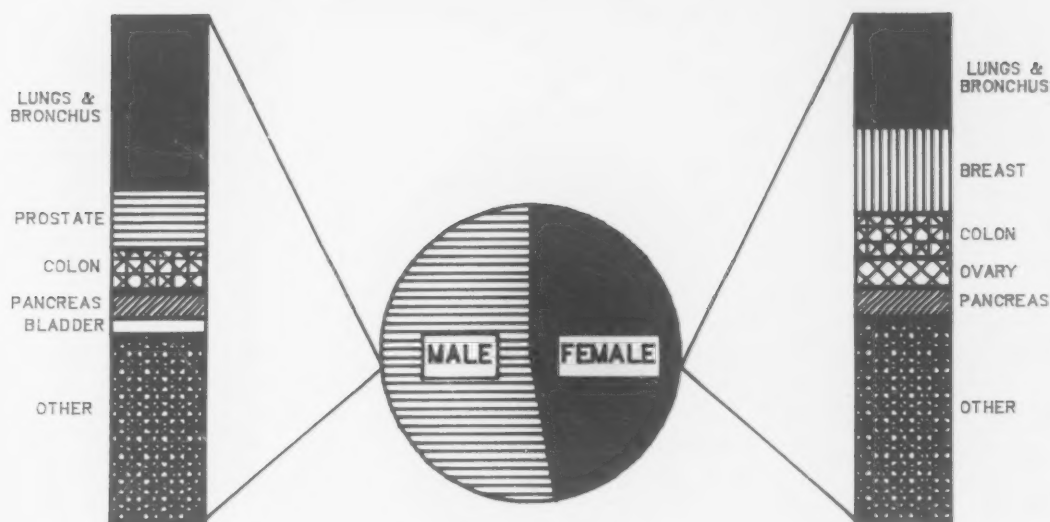
FIGURE 4-3.
**PERCENTAGE CHANGE IN THE DEATH RATES
 OF THE TEN LEADING CAUSES OF DEATH
 BETWEEN 1980 AND 1987, OREGON RESIDENTS**



Record High Cancer Death Rate

The long-term upward trend of the malignant neoplasm death rate continued during 1987, reaching a new high. The rate increased 4.9 percent from 198.2 the previous year to 208.0. The lungs are the most common site for both males and females. Lung cancer deaths are becoming increasingly prevalent among women. A decade ago, there were 2.8 male deaths for every female. By 1987, the ratio declined to 1.7 to one. Compared to 1950, the male death rate for lung cancer was 4.0 times higher in 1987 (19.3 to 77.0), but soared 8.5 times for women (5.1 to 43.1). Overall, the total lung cancer death rate has more than quintupled, increasing from 11.6 to 59.7. Parenthetically, this has been accompanied by a sharp increase in chronic obstructive respiratory disease deaths. For additional information on this topic, see A Legacy of Death: Smoking and Respiratory Disease in Oregon, also published by the Center for Health Statistics. Malignant neoplasms are the leading cause of death in each ten-year age group between 35 and 74 years. The death rates are substantially higher among males than females after age 64. Following lung cancer, the other common sites of malignant neoplasms for males are: prostate, colon, pancreas, and bladder (Figure 4-4). For females the sites are: breast, colon, ovary, and pancreas. In recent years malignant neoplasm death rates have been high in counties adjacent to the Columbia River as well as some coastal counties. The Oregon death rate is 6.1 percent higher than the estimated national rate of 196.1. Cancer claims an Oregonian every 1.6 hours.

FIGURE 4-4.
**DISTRIBUTION OF MALIGNANT NEOPLASMS
 BY SEX AND SITE, OREGON RESIDENTS, 1987**



Oregon Cerebrovascular Disease Death Rates Exceed U.S.

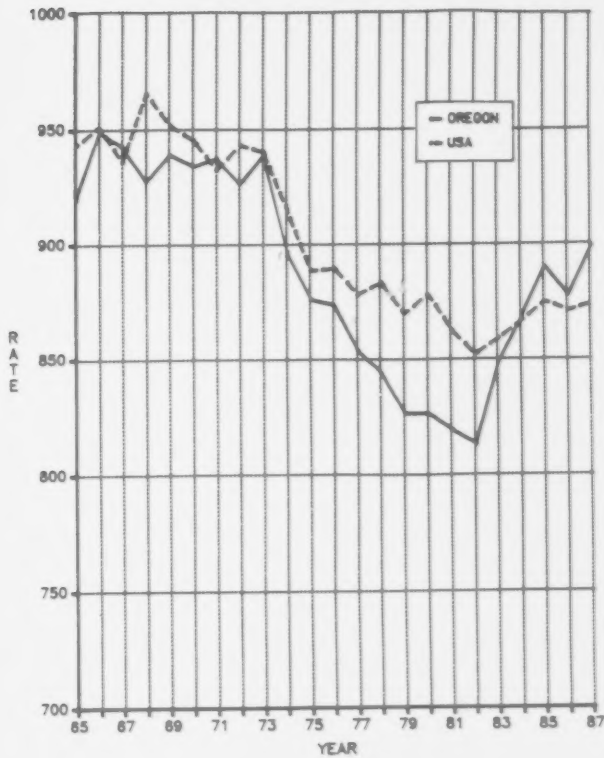
Until 1983, the death rate for cerebrovascular disease was on a downward trend. Since then the rate has fluctuated and currently stands at 72.8 (Figure 4-5). Cerebrovascular disease ranks third overall after heart disease and malignant neoplasms, but fourth (58.3) among males following accidents (63.3). The cerebrovascular disease death rate for females is 86.8, 48.9 percent higher than for males (who tend to die at younger ages from other causes). The death rate for this cause has consistently been higher in Oregon than in the rest of the nation for the past 20 years; it is currently 19.0 percent above the estimated national rate of 61.2. Every 4.5 hours, on the average, an Oregon resident succumbs to cerebrovascular disease. Sudden circulatory crises such as strokes, cerebral thromboses and hemorrhages are common acute forms of these diseases; cerebral arteriosclerosis is a chronic form. These cerebral conditions account for about one death in ten, and are more common in the older age groups.

Respiratory Disease Overtakes Unintentional Injuries

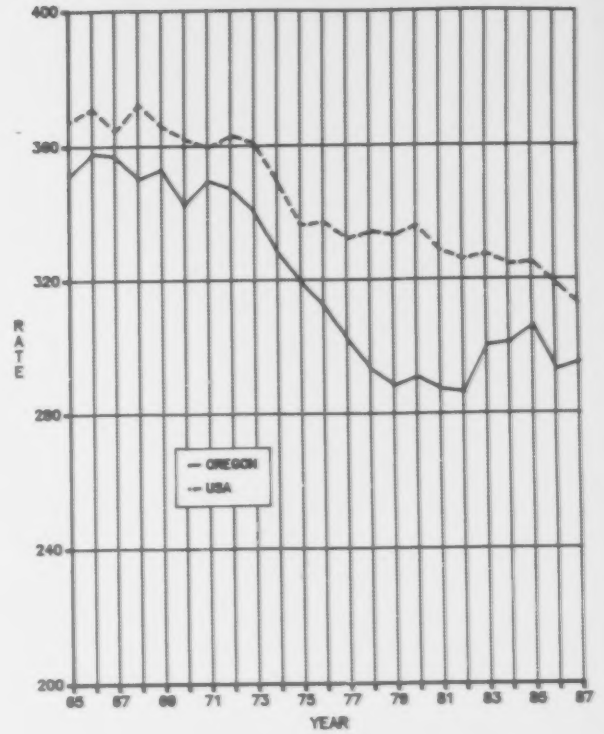
In 1975, chronic obstructive respiratory disease became the fifth leading cause of death by displacing pneumonia and influenza. Twelve years later it claimed the lives of more Oregonians than did unintentional injuries (accidents) and became the fourth leading cause of death. During those years, the death rate climbed 69.0 percent. In just this decade, the death rate increased 45.4 percent, from 31.5 to 45.8 (Figure 4-6). Between 1980 and 1987, the female death rate soared 84.6 percent, from 20.1 to 37.1. Despite a smaller increase among males (27.1 percent), the rates were and remain higher than for females; in 1980, the male death rate for this cause was 43.2 compared to 54.9 in 1987.

FIGURE 4-5.

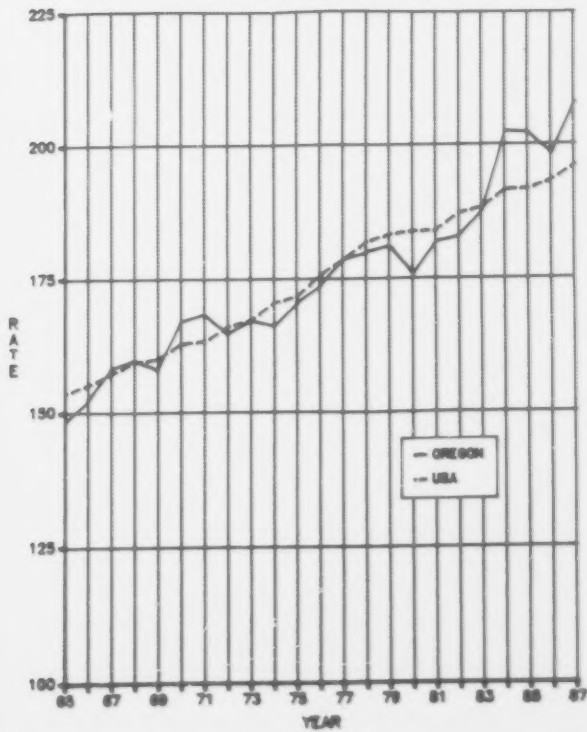
TOTAL DEATH RATES,
OREGON AND THE USA, 1965-1987



HEART DISEASE DEATH RATES,
OREGON AND THE USA, 1965-1987



MALIGNANT NEOPLASM DEATH RATES,
OREGON AND THE USA, 1965-1987



CEREBROVASCULAR DISEASE DEATH RATES,
OREGON AND THE USA, 1965-1987

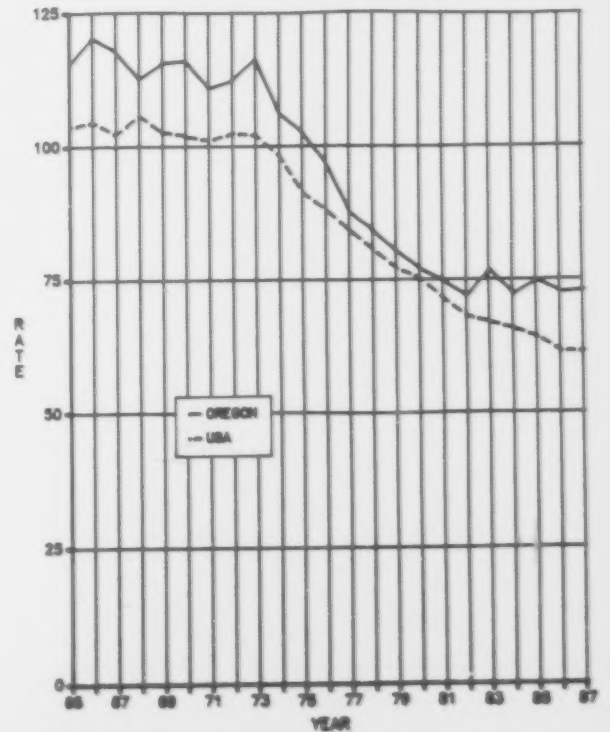
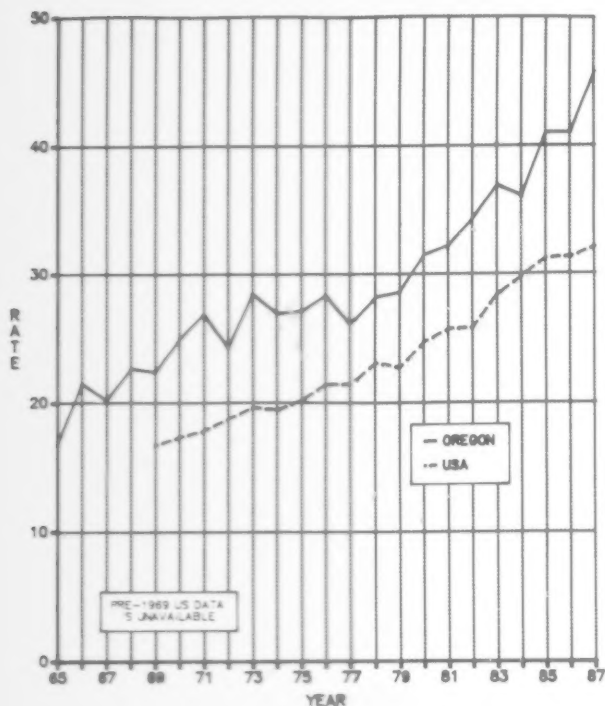
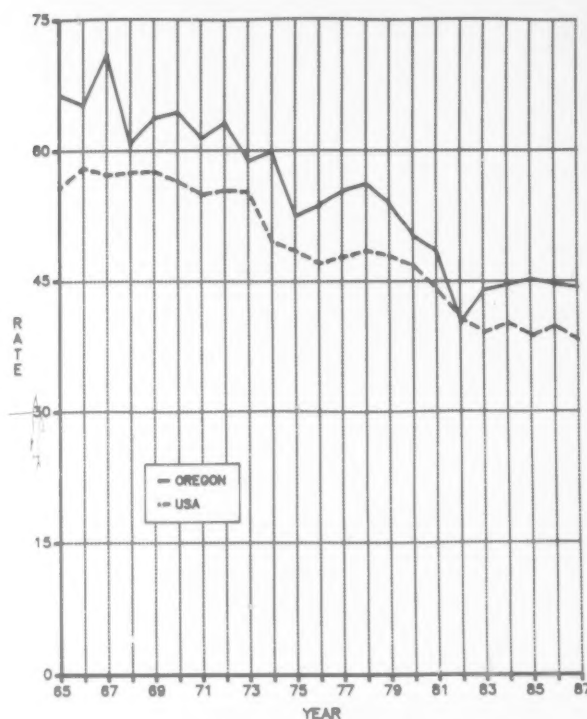


FIGURE 4-6.

CHRONIC OBSTRUCTIVE RESPIRATORY DISEASE DEATH RATES, OREGON AND THE USA, 1965-1987



UNINTENTIONAL INJURY DEATH RATES, OREGON AND THE USA, 1965-1987



This group of allied conditions includes four principal diseases: bronchitis, emphysema, asthma, and chronic airways obstruction. Since 1980, the bronchitis death rate has declined 10.0 percent but the other three diseases have increased, emphysema by 28.2 percent, COPD by 56.3 percent, and asthma by 93.3 percent.

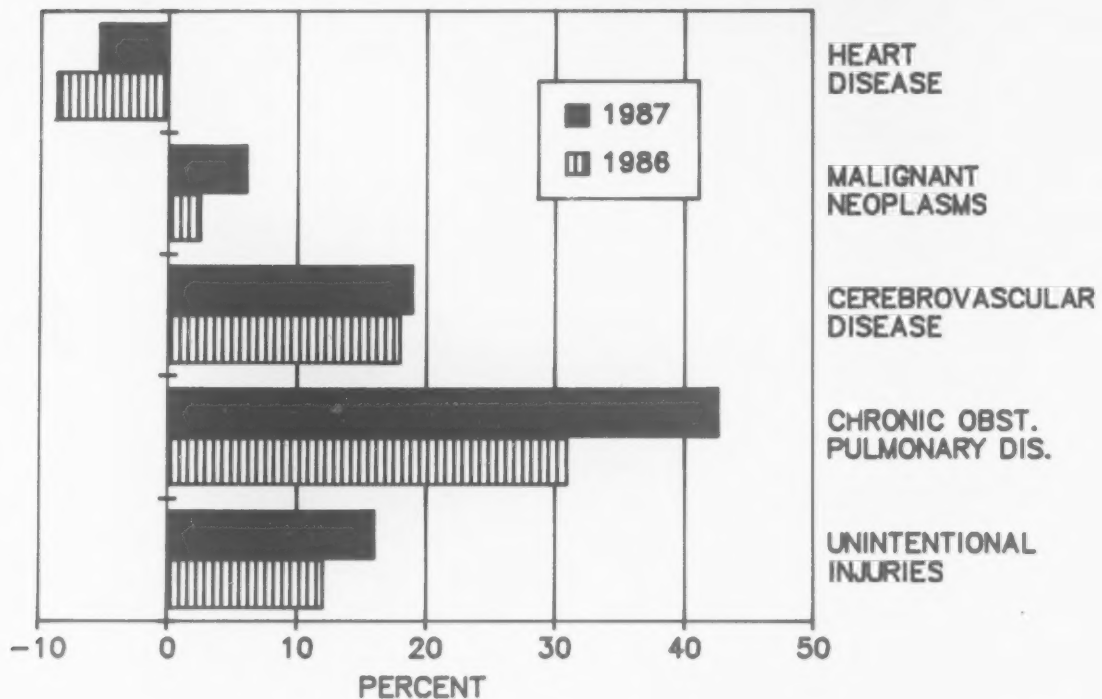
In addition to the 1,233 Oregonians whose deaths were due to chronic obstructive pulmonary diseases, these conditions contributed to the deaths of an additional 1,340 residents. Oregon's death rate (45.8) is 42.7 percent higher than the estimated U.S. death rate of 32.1, with the gap between Oregon and the nation widening during 1987 (Figure 4-7). The largest difference is seen in the emphysema death rate where Oregonians were 81.7 percent more likely to die than the average U.S. resident. Although the smallest disparity between Oregon and the nation occurred for bronchitis deaths, Oregonians were still 28.6 percent more likely to die from this disease.

In the state, the highest rates have been in southwest and central Oregon.¹ In Multnomah county, residents of low income census tracts are not only significantly more apt to die from this cause than those in high income tracts, they are more apt to die prematurely losing proportionally four times as many years of potential life.² Every 7.1 hours, chronic obstructive pulmonary disease claims the life of an Oregonian.

² Leading Causes of Mortality, Multnomah County, Oregon, 1976-1984. Center for Health Statistics, Health Division, Department of Human Resources, June 1986.

FIGURE 4-7.

PERCENTAGE DIFFERENCE IN CAUSE-SPECIFIC DEATH RATES BETWEEN OREGON AND THE U.S., 1986 AND 1987

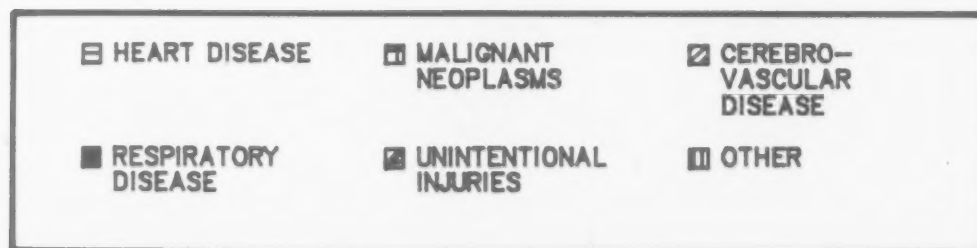
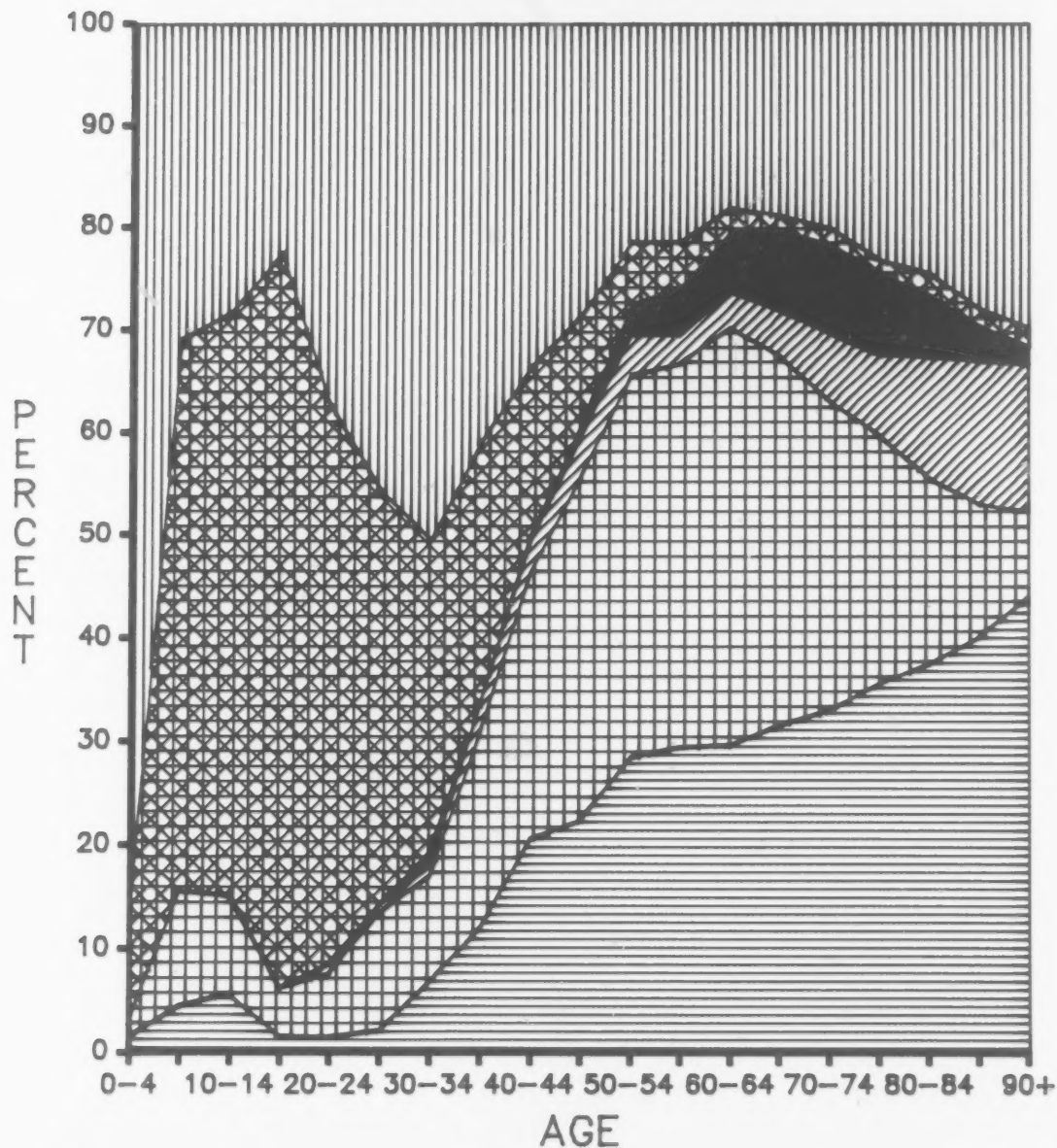


Oregon's Unintentional Injury Death Rate Exceeds the U.S. Rate

The unintentional injury* death rate was on a downward trend for the past several decades until the early 1980's. Since then, the rate has fluctuated slightly and has changed little compared to 1983. However, it still exceeds the estimated national rate by 16.1 percent, 44.1 compared to 38.0. Rates for deaths due to unintentional injuries are typically higher east of the Cascade Range and in central Oregon in particular.¹ Unintentional injuries continue to be the leading cause of death for persons between 1 and 34 years of age (Figure 4-8). Motor vehicle unintentional injuries (642) account for over one-half of the total unintentional injury deaths (1,145) to Oregonians; six-tenths of the motor vehicle unintentional injury decedents were between 15 and 44 years of age. However, among victims of falls (167), the second most prevalent type of unintentional injury, the majority are 75 or older. Most fatal falls occur in the home. Drownings and poisonings rank third and fourth, respectively. For the third straight year, more deaths occurred as a result of unintentional injuries in the home than in public (excluding unintentional injuries at work or motor vehicle-related). There were 234 such deaths compared to 197 in a public place. The death rate for unintentional injuries occurring in Oregon at work declined in 1987; forty-seven persons died as a result of an on-the-job unintentional injury. Every 7.4 hours, an Oregonian dies as a consequence of an unintentional injury.

* "Unintentional injuries" is synonymous with accidents (ICD 800-949).

FIGURE 4-8.
PERCENTAGE OF DEATHS BY CAUSE AND AGE,
OREGON RESIDENTS, 1987



Pneumonia and Influenza Rates Little Changed

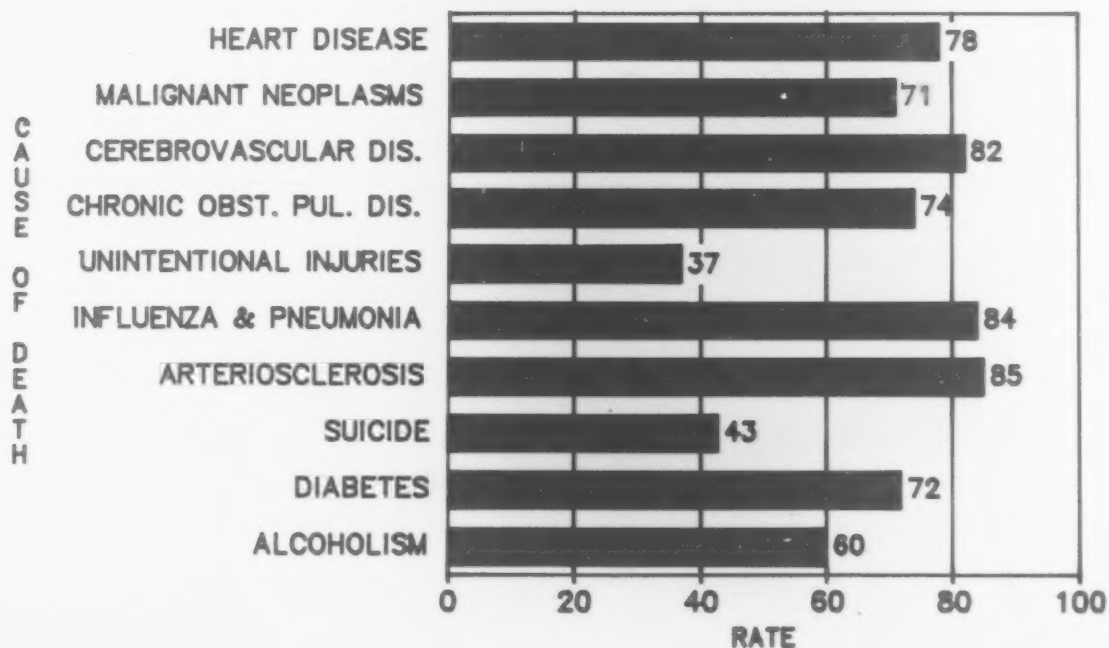
The pneumonia and influenza death rate declined marginally during 1987 to 27.6, down from 27.9 the previous year. Nonetheless, it is still the third highest rate recorded in nearly two decades. This is the sixth leading cause of death overall, but the fifth leading cause among persons 65 and older. Typically, the pneumonia and influenza mortality rate is higher for females than males, and this was true during 1987, when rates of 29.4 and 25.8, respectively, were recorded. Oregon's mortality rate (27.6) is 2.1 percent lower than the estimated national rate of 28.2. Every 11.8 hours, pneumonia or influenza claims an Oregonian.

Oregon Arteriosclerosis Rate Exceeds the Nation's

For the first time in five years, the Oregon death rate for arteriosclerosis rose. During 1987 the rate was 16.4. This is 72.6 percent higher than the estimated U.S. rate of 9.5. Arteriosclerosis is the tenth leading cause of death nationally, but ranks seventh in Oregon. The rate for males was 13.2, compared to 19.4 for females. Among the ten leading causes of death, decedents with this disease have the highest median age of death (Figure 4-9). An Oregon resident succumbs to arteriosclerosis every 20.0 hours. Figures do not include all deaths involving arteriosclerosis since many have been classified to more specific manifestations of cardiac and cerebral disease.

FIGURE 4-9.

MEDIAN AGE AT DEATH FOR THE TEN LEADING CAUSES OF DEATH, OREGON RESIDENTS, 1987



Males Far More Likely to Commit Suicide

Four hundred Oregonians committed suicide during 1987, the lowest number since 1982. Males were nearly five times as likely to kill themselves as females, with rates of 24.8 and 5.3, respectively. Male rates are highest in older age groups, with the rate for men 75 or older three times higher compared to their younger counterparts. But among elderly women, the rate drops dramatically. Guns are the most popular method (62.5 percent) of suicide, followed by poisons (22.2 percent) and hanging (9.3 percent). However, the method varies within different age and sex cohorts. Some of the more obscure methods of suicide, "other" in Table 4-9, included: self-immolation, lying in front of an on-coming train, electrocution, and driving an automobile into either a cement post or off a cliff into the ocean. Persons living in poor Multnomah County neighborhoods are twice as likely than those living in wealthy areas to commit suicide.² As in the past, the rate for Oregon is substantially higher (22.1 percent) than for the U.S., 14.9 for the former compared to 12.2 for the latter. Rates are typically higher east of the Cascades.¹ An Oregonian takes his or her own life every 22.0 hours, on the average.

Record High Number of Diabetes Mellitus Deaths

The death rate increased from 12.3 during 1986 to 14.7 during 1987 for the ninth leading cause of death, diabetes mellitus. During the previous ten years the rate fluctuated between 11.2 and 13.9, exhibiting no clear trend. Although a record number of deaths occurred, the rate was higher (14.9) during 1970. Historically, the rates have been higher for women than men, as was the case during 1987 where rates of 15.2 and 14.2, respectively, were recorded. Diabetes ranks as the seventh leading cause of death nationally, with a rate of 15.5, but only ninth in Oregon. Every 22.2 hours, diabetes claims the life of an Oregonian.

Alcoholism Deaths Decline

Fewer Oregonians died from alcoholism during 1987 than the previous year with the death rate decreasing 4.9 percent to 11.6. The overall trend during the past decade has been a reduction in the death rate. Alcoholism is the tenth leading cause of death overall, but ranks eighth among men. This complex of diseases includes alcoholic psychosis, alcoholic dependence syndrome, alcoholic gastritis, alcoholic cardiomyopathy, alcoholic polyneuropathy and alcoholic liver disease. The latter accounts for 65.9 percent of the deaths. One of every three alcoholism deaths occurred to Multnomah County residents, although only one-in-five Oregonians reside in that county. A natural alcohol-caused death occurs every 28.2 hours. However, if accidental deaths, suicides and homicides which involved alcohol were included, this category would rank substantially higher. Because the Oregon Center for Health Statistics queries physicians about deaths which might involve alcohol and few other states do, the rate for the natural effects of alcohol is not comparable to total U.S. data.

Homicide Rate Dips

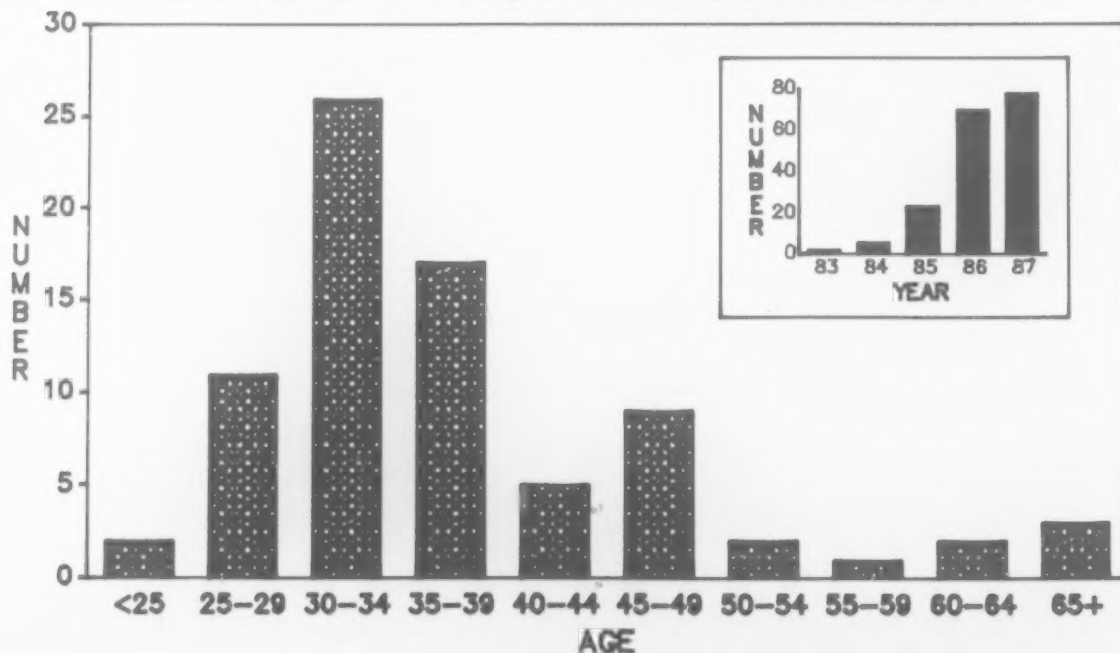
The homicide (including legal intervention) death rate fell during 1987 to 6.1, down from the record high of 6.8 the year before. Nonetheless, homicide remained the twelfth leading cause of death, compared to sixteenth in 1985. The number of deaths declined in all age groups except for persons under 15 or 45 to 54 years old. Firearms were used in nearly one-half of all homicides. Although the number of homicides declined for the state as a whole, 47.2 percent more Multnomah County residents were killed during 1987 than during 1986, a record high. Oregonians have long been at less risk than the average U.S. resident; this remained true during 1987 when the U.S. homicide death rate (8.2) was 34.2 percent higher than Oregon's. On the average, an Oregonian was murdered every 2.2 days. The median age at death was 32 years.

AIDS Deaths Increase Slows

Acquired Immune Deficiency Syndrome (AIDS), the nineteenth leading cause of death, claimed 78 Oregonians during 1987, an 11.4 percent increase over 1986. (In addition to the 78 Oregonians who died, 7 residents of other states also died from AIDS in Oregon during the year.) Nearly all (97.4 percent) of the decedents were male; only two were female. Just over one-half were 30 to 39 years old, but the range was 16 to 84 years of age. The median age was 35. Figure 4-10 illustrates the age composition of the decedents. AIDS is the fifth leading cause of death among Oregon males 25 to 44 years old. Most (70.5 percent) of the deaths occurred to single persons. The marital status of the others was: divorced, 20.5 percent; married, 5.1 percent; widowed, 3.8 percent. All of the decedents were White, except for three Blacks and one Hispanic. On the average, an Oregonian died from AIDS every 4.7 days.

FIGURE 4-10.

NUMBER OF AIDS DEATHS BY AGE DURING 1987 AND DISTRIBUTION BY YEAR, 1983-1987, OREGON RESIDENTS



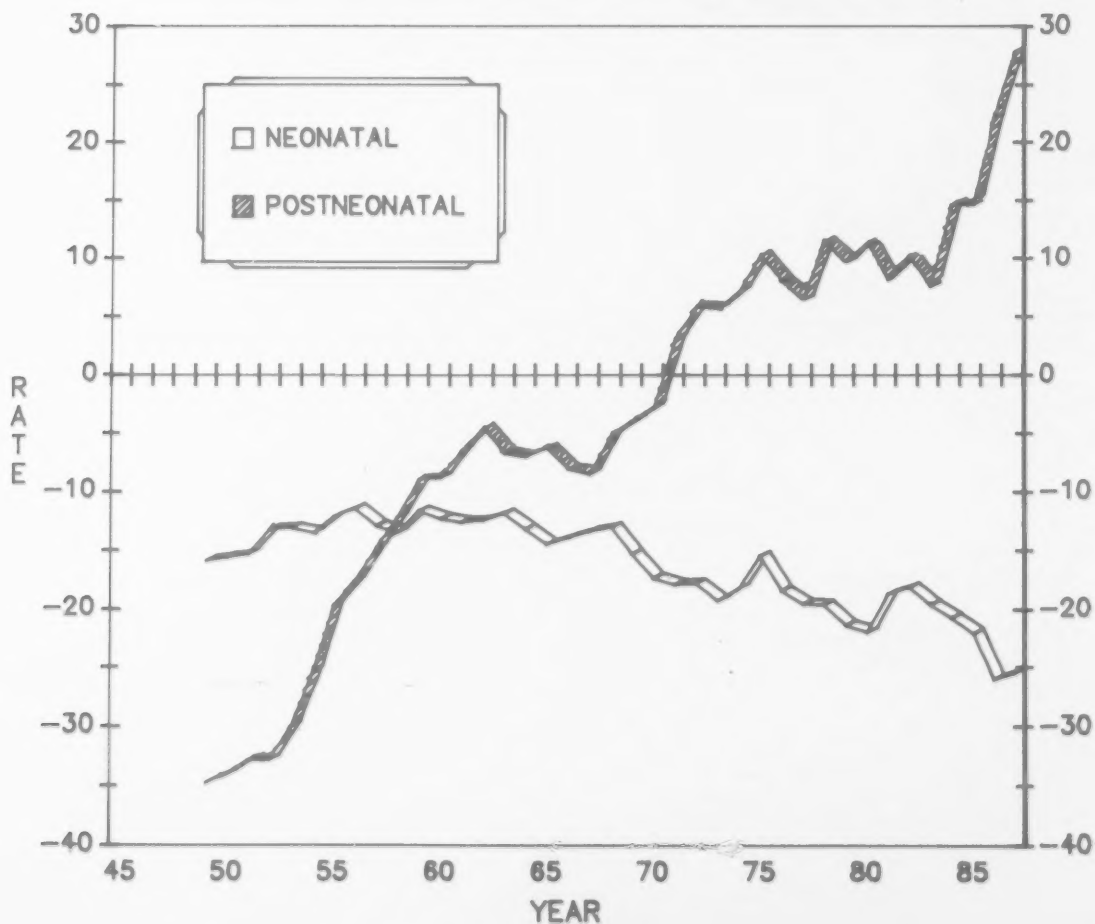
Infant Deaths

The infant death rate has often been used as an indicator of the general health of a population. Unlike other mortality rates which use the total population as the group at risk, the infant death rate is based upon the number of infant deaths per 1,000 births per year.

During 1987, the infant death rate moved sharply upward from 9.5 in 1986 to 10.4. Four hundred two young Oregonians died before reaching their first birthday. All of the increase was due to a larger number of fatalities resulting from certain conditions originating in the perinatal period. Within this group of allied conditions, by far the largest increases occurred among three causes: immaturity, from 28 deaths in 1986 to 38 in 1987; respiratory distress syndrome, from 10 to 20; and other respiratory conditions, from 14 to 30. For the first time since at least World War II, the Oregon infant death rate exceeded the U.S. rate; the state rate (10.4) is 4.0 percent higher.

FIGURE 4-11.

PERCENTAGE DIFFERENCE BETWEEN OREGON NEONATAL AND POSTNEONATAL DEATH RATES COMPARED TO THE UNITED STATES, FIVE-YEAR MOVING AVERAGES, 1945-1987



Neonatal Deaths

All of the increase in infant deaths occurred during the neonatal period (the first 27 days of life). The death rate rose from 4.7 to 5.5, a 17.0 percent increase and the sharpest since records were first collected in 1936. Even so, the state rate was 15.4 percent less than the national rate (6.5).

Postneonatal Deaths

The 1987 state postneonatal rate of 4.8 is actually worse than the rate (4.3) of a decade ago. Although the Oregon rate did not increase in 1987, it has worsened relative to the U.S. rate over the past several decades (Figure 4-11). Last year Oregon's rate was 41.4 percent higher than the national rate (3.4).

The failure to show improvement in postneonatal deaths is not a national trend. The Oregon rate has been higher in eight of the past ten years; more yearly variability is seen in the postneonatal rates than in the neonatal rates. Ten years ago, 35.3 percent of Oregon infant deaths occurred in the postneonatal period. In 1987, 46.5 percent were in this age group. Technological advances in the medical care of neonates may also partially account for the higher proportion of postneonatal deaths by delaying the deaths of infants who would have otherwise died during the first 27 days of life. As changes occur in the ages of infants who die, strategies for improving infant survival must also change.

One reason the Oregon postneonatal death rate is high is because Oregon has an elevated Sudden Infant Death Syndrome (SIDS) death rate. SIDS had ranked as the number two cause of infant death in past years, but since 1984 it has been the leading cause of infant death. Almost all SIDS deaths occur in the postneonatal period. Infants are more apt to die from SIDS if: they have a low birth weight, are non-White, have a mother who received little or no prenatal care, or is teenaged or unwed. However, this is true of most causes of infant deaths. Additional information is available in Oregon Infant Deaths, 1981-1985 Birth Cohort, also published by the Center.

Years of Potential Life Lost

Mortality rates alone do not show the complete impact upon society of certain causes of death. The deaths of young people are of a greater "cost" to society than deaths of older people in terms of lost years. The years of potential life lost (YPLL) emphasizes mortality occurring in younger age groups and assumes that each individual has 70 "productive" years so that a death at 21, for example, results in 49 (70 minus 21) years of life lost. The number of YPLL among the decedents are then totaled.

This method places more emphasis on causes which affect the young. Figures 12 and 13 demonstrate the disparity between death rates and the years of potential life lost. Compared to crude death rates, both traumatic deaths and causes associated with infancy rank higher when years of potential life lost are tabulated. Unintentional injuries increase from fifth to first, suicides from eighth to fifth, and homicides from twelfth to eighth.

FIGURE 4-12.
THE TEN LEADING CAUSES OF DEATH,
OREGON RESIDENTS, 1987

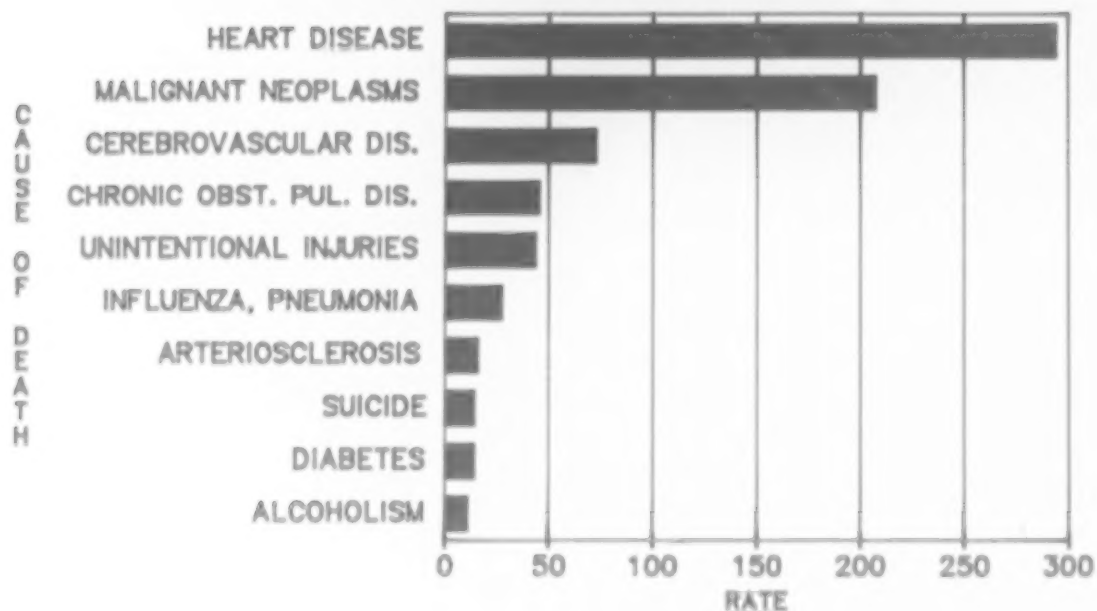
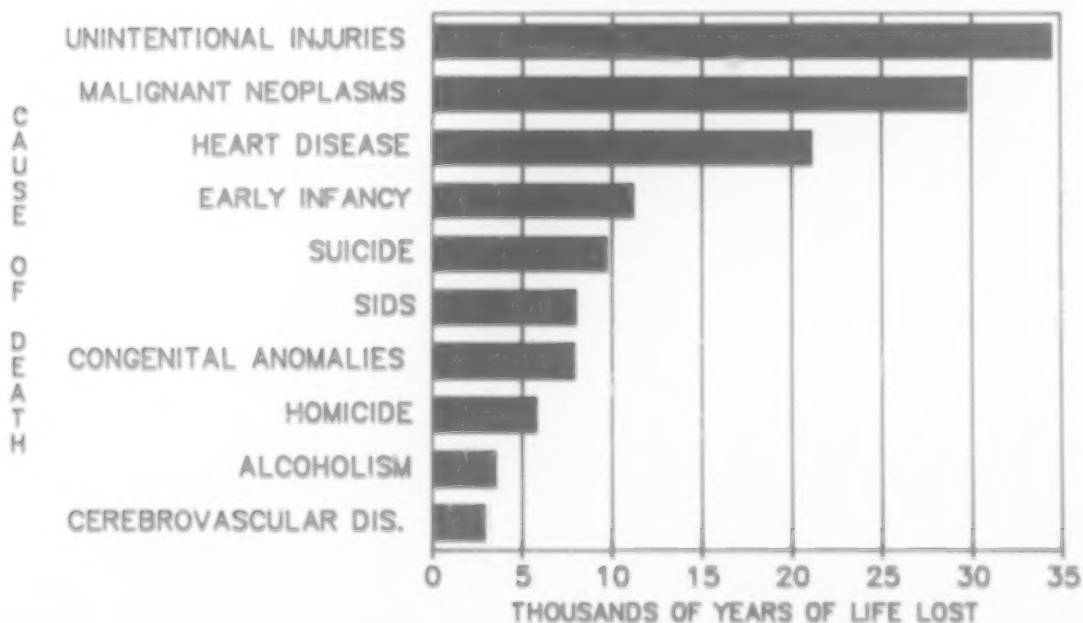


FIGURE 4-13.
THE TEN LEADING CAUSES OF YEARS OF POTENTIAL LIFE LOST,
OREGON RESIDENTS, 1987



Deaths by County of Residence

Comparing death rates among counties is a complicated process. The annual crude death rates can be misleading for comparing the relative health status of counties because a single year's data can be too variable. In addition, the age structure of counties is also susceptible to variation. Examining age-specific death rates for 36 counties is cumbersome. Combining nine years of data and calculating age-adjusted rates solves these problems. The age-adjusted death rate is more reflective of mortality when comparing areas, for as the name implies, the rate derived is not biased by very young or very old populations. For example, in Clackamas County only ten percent of the residents are 65 or older compared to Curry County where 19 percent of the residents are in that age category. Consequently, the crude death rate is lower for Clackamas County (709.1) than Curry County (1,035.5). However, when compensation is made for the influence of the young and old populations in these counties, the age-adjusted death rates are much closer and actually reversed, 825.3 and 798.3, respectively. The geographic distribution of age-adjusted death rates is shown in Figure 4-14.

The comparative mortality figure is the ratio of the age-adjusted death rate for an area to the state death rate. A comparative mortality figure less than one indicates the area under comparison has a lower death rate than the state as a whole, while a figure greater than one is higher than the state average. For example, the comparative mortality figure for Hood River County is 1.102; this means the age-adjusted death rate for the county is 10.2 percent higher than for the state as a whole. The years of potential life lost index functions in a similar manner.

FIGURE 4-14.
AGE-ADJUSTED DEATH RATES BY COUNTY,
OREGON, 1978-1986



The 1978-1986 age-adjusted death rates for two counties depart markedly from state values (Figure 4-15). Gilliam County recorded the lowest age-adjusted death rate (657.4) and hence the lowest comparative mortality figure (0.787) indicating that the age-adjusted death rate in that county is only 78.7 percent of Oregon's rate of 835.2. However, Benton County possessed the lowest years of potential life lost index (0.875). Jefferson County lies at the other extreme. The age-adjusted death rate of 952.5 is 14.0 percent higher than that of the state and 44.9 percent higher than Benton's rate. The years of life lost value is even worse; at 1.549 it is over 50 percent higher than for Oregon as a whole and 77.0 percent higher than Benton County. The age-adjusted death rates, comparative mortality figures, and years of potential life lost indexes are listed for each county in Figure 4-16. For a more complete discussion of age-adjusted death rates and years of potential life lost indexes by cause and race, see The Leading Causes of Mortality in Oregon, 1976-1984. The association between age-adjusted death rates and income level is discussed in The Leading Causes of Mortality, Multnomah County, Oregon, 1976-1984.

FIGURE 4-15.

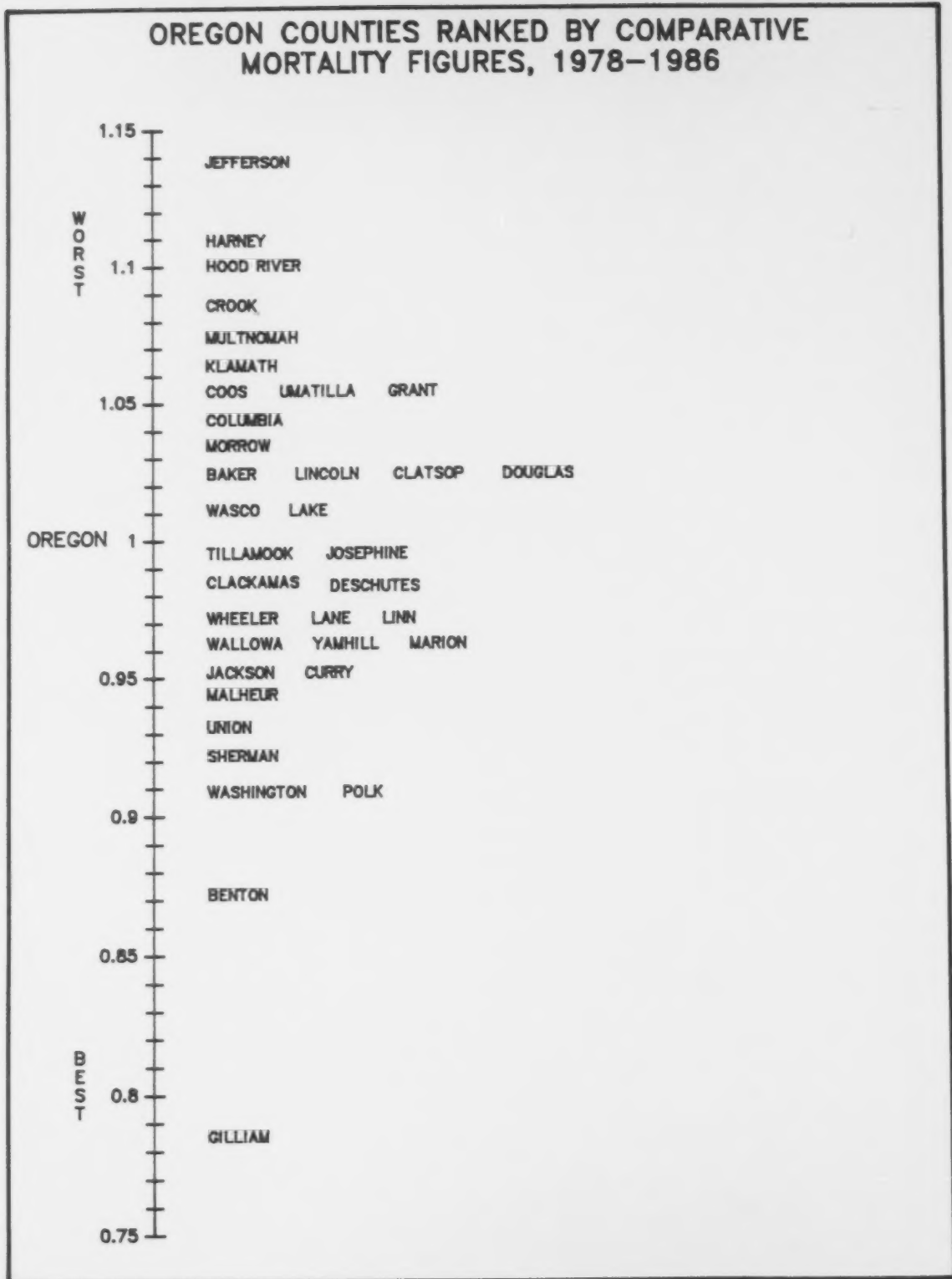


FIGURE 4-16. SELECTED DEATH STATISTICS BY RESIDENCE AREA, OREGON, 1978-1986.

COUNTY OF RESIDENCE	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	COMPARATIVE MORTALITY FIGURE	RANK	YEARS OF POTENTIAL LIFE LOST INDEX	RANK
BAKER	1,102.9	855.7	1.025	22	1.004	14
BENTON	519.0	731.0	0.875	2	0.643	1
CLACKAMAS	709.1	825.3	0.988	16	0.920	7
CLATSOP	1,025.8	858.4	1.028	24	0.992	11
COLUMBIA	822.9	869.0	1.040	27	1.008	15
COOS	941.4	878.3	1.052	28	1.179	31
CROOK	962.1	907.3	1.086	33	1.171	30
CURRY	1,035.5	798.3	0.956	9	1.123	24
DESCHUTES	721.4	826.0	0.989	17	1.020	16
DOUGLAS	838.4	859.8	1.029	25	1.084	22
GILLIAM	788.0	657.4	0.787	1	0.831	3
GRANT	952.2	884.4	1.059	30	1.140	28
HARNEY	891.6	927.6	1.111	35	1.234	34
HOOD RIVER	952.9	920.5	1.102	34	1.137	27
JACKSON	850.0	793.4	0.950	8	0.978	9
JEFFERSON	776.2	952.5	1.140	36	1.549	36
JOSEPHINE	1,035.4	833.7	0.998	19	1.088	23
KLAMATH	827.5	887.7	1.063	31	1.180	32
LAKE	823.3	849.1	1.017	21	1.026	17
LANE	717.9	813.0	0.973	14	0.905	5
LINCOLN	1,101.1	856.0	1.025	23	1.200	33
LINN	802.4	814.3	0.975	15	0.994	13
MALHEUR	852.9	791.4	0.948	7	1.037	19
MARION	863.1	806.5	0.966	12	1.029	18
MORROW	748.4	867.1	1.038	26	1.242	35
MULTNOMAH	1,010.9	897.8	1.075	32	1.130	25
POLK	835.7	767.9	0.919	4	0.925	8
SHERMAN	794.4	769.9	0.922	5	1.077	20
TILLAMOOK	1,054.9	831.6	0.996	18	1.080	21
UMATILLA	872.4	883.8	1.058	29	1.137	26
UNION	787.0	782.7	0.937	6	0.858	4
WALLOWA	971.3	802.7	0.961	10	0.993	12
WASCO	957.4	847.0	1.014	20	0.978	10
WASHINGTON	572.8	764.5	0.915	3	0.744	2
WHEELER	1,122.8	811.9	0.972	13	1.143	29
YAMHILL	850.6	805.6	0.965	11	0.919	6

TABLE 4-1. AGE-SPECIFIC DEATH RATES BY SEX, OREGON, 1940, 1950, 1960, 1970, 1975, 1980-1987.

YEAR & SEX	TOTAL	AGE GROUPS					
		0 - 4	5 - 14	15-24	25-44	45-64	65+
1940 Deaths	1131.4	953.9	116.6	199.1	317.7	1322.7	7154.3
Male	1336.2	1122.6	140.5	267.4	374.5	1650.8	7831.0
Female	912.7	788.1	91.9	130.4	258.2	944.7	6395.2
1950 Deaths	912.9	588.1	61.7	148.2	242.0	1105.7	5836.7
Male	10.2	459.9	74.1	226.0	317.4	1411.4	6619.2
Female	722.6	515.6	48.7	73.0	166.0	711.9	5025.0
1960 Deaths	949.1	566.3	42.5	107.0	210.5	1053.1	5796.9
Male	1141.2	640.3	53.3	158.4	273.3	1420.3	6854.2
Female	758.9	489.7	31.2	58.3	149.9	679.0	4838.8
1970 Deaths	933.8	411.4	42.9	134.4	184.4	1015.1	5617.3
Male	1107.6	4.8	56.5	198.9	241.7	1375.4	6893.0
Female	767.2	383.9	28.7	74.4	128.7	670.2	4607.6
1975 Deaths	876.1	364.8	32.5	118.0	164.4	925.1	5419.6
Male	1016.0	414.9	39.5	171.2	224.4	1239.7	6551.6
Female	747.2	312.5	25.3	64.9	107.4	631.0	4553.3
1980 Deaths	826.4	310.7	31.9	115.8	140.8	870.8	4977.2
Male	931.8	333.9	36.9	167.8	193.4	1157.4	6013.3
Female	724.1	286.1	26.7	63.6	87.5	602.9	4209.3
1981 Deaths	819.3	272.6	24.7	113.5	138.1	847.9	4913.6
Male	916.8	301.0	31.2	168.6	187.5	1118.5	5857.9
Female	724.7	242.8	18.0	57.9	88.1	594.5	4206.7
1982 Deaths	813.0	261.4	27.5	92.3	132.0	826.3	4850.4
Male	899.3	290.8	35.4	132.1	177.6	1053.1	5769.2
Female	729.2	230.9	19.2	51.5	86.2	614.0	4158.8
1983 Deaths	848.6	240.4	30.2	97.3	131.6	843.1	4909.3
Male	927.1	258.2	39.0	136.0	183.6	1074.5	5816.4
Female	773.0	221.8	21.0	57.9	81.8	626.9	4245.4
1984 Deaths	868.5	228.7	28.5	107.4	137.8	854.5	4956.6
Male	941.9	252.5	39.1	160.2	185.8	1083.3	5808.1
Female	797.5	204.1	17.4	53.0	89.6	639.3	4332.5
1985 Deaths	890.4	233.2	21.0	97.7	141.5	830.0	5074.7
Male	976.5	260.5	27.7	150.6	193.1	1067.4	6053.4
Female	807.2	204.8	14.0	42.9	90.0	605.9	4362.1
1986 Deaths	877.2	237.8	22.3	100.9	145.4	818.0	4854.3
Male	956.1	271.7	25.9	146.9	201.2	1052.7	5747.0
Female	800.5	201.9	18.5	53.0	89.8	595.5	4207.6
1987 Deaths	898.9	247.9	25.9	102.8	140.8	801.7	4963.0
Male	961.2	307.1	34.1	155.9	197.8	1004.4	5742.7
Female	839.0	186.3	17.3	47.2	84.1	608.8	4400.4

All rates per 100,000 population within specific age-groups.

TABLE 4-2. LEADING CAUSES OF DEATH BY RANK ORDER FOR RESIDENT MALES AND FEMALES, OREGON, 1987.

RANK	CAUSE OF DEATH	NUMBER	RATE	PERCENT
MALES				
	TOTAL	12,680	961.2	100.0
1.	Diseases of the Heart	4,153	314.8	32.8
2.	Malignant Neoplasms	2,973	225.4	23.4
3.	Unintentional Injuries	835	63.3	6.6
4.	Cerebrovascular Disease	769	58.3	5.9
5.	Bronchitis, Emphysema, Asthma & Chronic Obstructive Pulm. Dis.	725	55.0	5.7
6.	Influenza & Pneumonia	340	25.8	2.7
7.	Suicide	327	24.8	2.6
8.	Alcoholic Diseases	220	16.7	1.7
9.	Diabetes Mellitus	187	14.2	1.5
10.	Arteriosclerosis	174	13.2	1.4
11.	Other Diseases of Arteries	167	12.7	1.3
12.	Homicide	113	8.6	0.9
13.	Certain Causes in Early Infancy	100	7.6	0.8
14.	Sudden Infant Death Syndrome	77	5.8	0.6
15.	Congenital Anomalies	76	5.8	0.6
15.	AIDS	76	5.8	0.6
FEMALES				
	TOTAL	11,501	839.0	100.0
1.	Diseases of the Heart	3,783	276.0	32.9
2.	Malignant Neoplasms	2,621	191.2	22.8
3.	Cerebrovascular Disease	1,189	86.7	10.3
4.	Bronchitis, Emphysema, Asthma & Chronic Obstructive Pulm. Dis.	508	37.1	4.4
5.	Influenza & Pneumonia	403	29.4	3.5
6.	Unintentional Injuries	350	25.5	3.0
7.	Arteriosclerosis	266	19.4	2.3
8.	Diabetes Mellitus	208	15.2	1.8
9.	Other Disease of Arteries	112	8.2	1.0
10.	Alcoholic Diseases	91	6.6	0.8
11.	Suicide	73	5.3	0.6
12.	Congenital Anomalies	66	4.8	0.6
12.	Hypertension with or without Renal Disease	66	4.8	0.6
14.	Early Infancy	60	4.4	0.5
15.	Nephritis & Nephrosis	59	4.3	0.5

TABLE 4-3. SELECTED LEADING CAUSES OF DEATHS WITH RATES, OREGON RESIDENTS, 1970-1987.

YEAR	TOTAL	MAJOR CARDIOVASCULAR DIS.			MALIGNANT NEOPLASMS	CHRONIC RESPIRATORY DISEASES*	INFLUENZA AND PNEUMONIA	DIABETES MELITUS
		DISEASES OF HEART	CEREBRO-VASCULAR DISEASE	ARTERIO-SCLEROSIS				
1970	19,530	7,158	2,429	461	3,493	520	554	312
1971	20,087	7,492	2,377	455	3,608	577	566	285
1972	20,216	7,581	2,453	433	3,594	529	599	290
1973	20,881	7,569	2,593	501	3,718	633	782	331
1974	20,320	7,441	2,408	451	3,762	609	584	272
1975	20,142	7,342	2,355	429	3,917	624	606	310
1976	20,459	7,306	2,264	445	4,065	664	800	300
1977	20,457	7,239	2,096	445	4,283	625	562	284
1978	20,870	7,249	2,079	485	4,447	698	658	297
1979	21,024	7,329	2,041	444	4,608	728	608	285
1980	21,756	7,659	2,021	486	4,625	829	704	297
1981	21,798	7,639	1,986	509	4,839	856	609	303
1982	21,594	7,601	1,901	482	4,859	912	609	297
1983	22,361	7,910	2,021	470	4,943	971	634	329
1984	23,101	8,010	1,919	431	5,387	957	725	343
1985	23,824	8,192	2,000	432	5,410	1,097	838	317
1986	23,328	7,788	1,926	417	5,272	1,090	742	328
1987	24,181	7,936	1,958	440	5,594	1,233	743	395
1970	933.8	342.3	116.1	22.0	167.0	24.9	26.5	14.9
1971	937.3	349.6	110.9	21.2	168.4	26.9	26.4	13.3
1972	926.0	347.2	112.4	19.8	164.6	24.2	27.4	13.3
1973	938.5	340.2	116.5	22.5	167.1	28.5	35.1	14.9
1974	896.7	328.4	106.3	19.9	166.0	26.9	25.8	12.0
1975	871.6	319.4	102.4	18.7	170.4	27.1	26.4	13.5
1976	873.7	312.0	96.7	19.0	173.6	28.4	34.2	12.8
1977	853.8	302.1	87.5	18.6	178.7	26.1	23.5	11.9
1978	844.3	293.2	84.1	19.6	179.9	28.2	26.6	12.0
1979	826.4	288.1	80.2	17.5	181.1	28.6	23.9	11.2
1980	826.4	290.9	76.8	18.5	175.7	31.5	26.7	11.3
1981	819.2	287.1	74.6	19.1	181.9	32.2	22.9	11.4
1982	813.0	286.2	71.6	18.1	182.9	34.3	22.9	11.2
1983	848.6	300.2	76.7	17.8	187.6	36.9	24.1	12.5
1984	868.5	301.1	72.1	16.2	202.5	36.0	27.3	12.9
1985	890.4	306.2	74.7	16.1	202.2	41.0	31.3	11.8
1986	877.2	292.8	72.4	15.7	198.2	41.0	27.9	12.3
1987	898.9	295.0	72.8	16.4	208.0	45.8	27.6	14.7

All rates per 100,000 population.

* Includes Bronchitis, Emphysema, Asthma and Chronic Obstructive Pulmonary Disease (ICD 490-496).

TABLE 4-3. SELECTED LEADING CAUSES OF DEATHS WITH RATES, OREGON RESIDENTS, 1970-1987, CONTINUED.

YEAR	CIRRHOSIS OF LIVER	CERTAIN CAUSES IN EARLY INFANCY	CONGENITAL ANOMALIES	SIDS	AIDS	EXTERNAL CAUSES		
						Accident	Suicide	Homicide
1970	288	298	149	+	-	1,347	303	93
1971	338	314	175	+	-	1,314	319	81
1972	348	272	158	+	-	1,379	301	116
1973	367	240	154	+	-	1,307	364	112
1974	365	228	160	+	-	1,354	362	123
1975	331	233	153	+	-	1,204	361	130
1976	348	177	157	+	-	1,257	351	96
1977	377	194	168	84	-	1,324	399	125
1978	312	190	168	118	-	1,387	385	125
1979	352	195	155	94	-	1,367	351	113
1980	349	219	160	132	-	1,319	388	145
1981	370	214	140	117	-	1,285	398	118
1982	299	168	165	104	-	1,064	396	146
1983	301	148	156	97	2	1,156	417	112
1984	318	136	152	109	6	1,185	423	135
1985	283	135	154	107	24	1,207	417	123
1986	308	119	142	121	70	1,184	450	181
1987	253	160	142	115	78	1,185	400	164
1970	13.8	14.2	7.1	+	0.0	64.4	14.5	4.4
1971	15.8	14.7	8.2	+	0.0	61.3	14.9	3.8
1972	15.9	12.5	7.2	+	0.0	63.2	13.8	5.3
1973	16.5	10.8	6.9	+	0.0	58.7	16.4	5.0
1974	16.1	10.1	7.1	+	0.0	59.8	16.0	5.4
1975	14.4	10.1	6.7	+	0.0	52.4	15.7	5.7
1976	14.9	7.6	6.7	+	0.0	53.7	15.0	5.1
1977	15.7	8.1	7.0	3.5	0.0	55.3	16.7	5.2
1978	12.6	7.7	6.8	4.8	0.0	56.1	15.6	5.1
1979	13.8	7.7	6.1	3.7	0.0	53.7	13.8	4.4
1980	13.3	8.3	6.1	5.0	0.0	50.1	14.7	5.5
1981	13.9	8.0	5.3	4.4	0.0	48.3	15.0	4.4
1982	11.3	6.3	6.2	3.9	0.0	40.1	14.9	5.5
1983	11.4	5.6	5.9	3.7	0.0	43.9	15.8	4.3
1984	12.0	5.1	5.7	4.1	0.0	44.5	15.9	5.1
1985	10.6	5.0	5.8	4.0	0.9	45.1	15.6	4.6
1986	11.6	4.5	5.3	4.5	2.6	44.5	16.9	6.8
1987	9.4	5.9	5.3	4.3	2.9	44.1	14.9	6.1

All rates per 100,000 population.

+ Unknown prior to 1977; there was no ICD code for SIDS.

TABLE 4-4. THE FIVE PRINCIPAL CAUSES OF DEATH BY AGE GROUPS, OREGON, 1987.

AGE AND CAUSE OF DEATH		BOTH SEXES		RATE ¹	
		Number	Percent	Male	Female
<u>ALL AGES</u>	ALL CAUSES	24,181	100.0	961.2	839.0
	1. Diseases of the Heart	7,936	32.8	314.8	276.0
	2. Malignant Neoplasms	5,594	23.1	225.4	191.2
	3. Cerebrovascular Diseases	1,958	8.1	58.3	86.7
	4. Bronchitis, Emphysema, Asthma & Chronic Obstructive Pulmonary Diseases	1,233	5.1	55.0	37.1
	5. Unintentional Injuries	1,185	4.9	63.3	25.5
<u>UNDER 1 YEAR*</u>	ALL CAUSES	402	100.0	1,275.1	797.2
	1. Sudden Infant Death Syndrome	115	28.6	392.7	199.3
	2. Congenital Anomalies	83	20.6	219.3	209.8
	3. Immaturity	38	9.5	107.1	89.2
	4. Other Early Infancy Causes	34	8.5	117.3	57.7
	5. Other Respiratory	30	7.5	102.0	52.4
<u>1 - 4 YEARS</u>	ALL CAUSES	76	100.0	65.8	31.6
	1. Unintentional Injuries	39	51.3	36.7	13.2
	2. Congenital Anomalies	13	17.1	11.4	5.3
	3. Malignant Neoplasms	6	7.9	5.1	2.6
	3. Homicides	6	7.9	3.8	3.9
	5. Influenza & Pneumonia	1	1.3	1.3	0.0
<u>5 - 14 YEARS</u>	ALL CAUSES	98	100.0	34.1	17.3
	1. Unintentional Injuries	54	55.1	21.2	7.0
	2. Malignant Neoplasms	10	10.2	2.1	3.3
	3. Homicides	7	7.1	2.1	1.6
	3. Congenital Anomalies	7	7.1	3.1	.5
	5. Diseases of the Heart	5	5.1	1.0	1.6

¹ Rates per 100,000 population except where noted.

* Rate per 100,000 live births.

TABLE 4-4. Continued

AGE AND CAUSE OF DEATH	BOTH SEXES		RATE ¹	
	Number	Percent	Male	Female
<u>15 - 24 YEARS</u> ALL CAUSES	406	100.0	155.9	47.2
1. Unintentional Injuries	253	62.3	103.4	22.8
2. Suicides	57	14.0	23.8	4.7
3. Homicides	25	6.2	7.4	5.2
4. Malignant Neoplasms	22	5.4	6.4	4.7
5. Undetermined External Causes	12	3.0	4.9	1.0
<u>25 - 44 YEARS</u> ALL CAUSES	1,239	100.0	197.8	84.1
1. Unintentional Injuries	332	26.8	59.5	16.1
2. Malignant Neoplasms	214	17.3	20.1	28.6
3. Suicides	156	12.6	27.8	7.7
4. Diseases of the Heart	139	11.2	25.1	6.6
5. Homicides	73	5.9	11.4	5.2
<u>45 - 64 YEARS</u> ALL CAUSES	3,840	100.0	1,004.4	608.8
1. Malignant Neoplasms	1,465	38.2	331.1	281.8
2. Diseases of the Heart	1,092	28.4	344.8	116.9
3. Unintentional Injuries	180	4.7	54.0	22.0
4. Bronchitis, Emphysema, Asthma & Chronic-Obstructive Pulmonary Diseases	166	4.3	38.1	31.4
5. Alcoholic Diseases	160	4.2	47.1	20.4
<u>65 YEARS & OVER</u> ALL CAUSES	18,120	100.0	5,742.7	4,400.4
1. Diseases of the Heart	6,687	36.9	2,111.7	1,629.4
2. Malignant Neoplasms	3,876	21.4	1,366.4	841.8
3. Cerebrovascular Diseases	1,798	9.9	454.4	519.9
4. Bronchitis, Emphysema, Asthma & Chronic Obstructive Pulmonary Diseases	1,061	5.9	412.5	202.7
5. Influenza & Pneumonia	701	3.9	203.3	183.8

TABLE 4-5. DEATHS BY MARITAL STATUS, SEX, AND AGE GROUPS,
OREGON RESIDENTS, 1987

MARITAL STATUS AND SEX	TOTAL	AGE AT DEATH							
		< 15	15-19	20-24	25-29	30-34	35-44	40-44	45-49
TOTAL.....	24,181	576	195	211	245	306	327	361	466
MALE.....	12,680	368	158	157	185	228	221	234	285
FEMALE...	11,501	208	37	54	60	78	106	127	181
SINGLE.....	2,270	576	190	170	136	112	70	44	38
MALE.....	1,535	368	157	137	116	98	58	35	27
FEMALE...	735	208	33	33	20	14	12	9	11
MARRIED....	10,992	-	4	33	72	109	168	209	289
MALE.....	7,645	-	1	17	44	72	109	129	173
FEMALE...	3,347	-	3	16	28	37	59	80	116
WIDOWED....	8,401	-	-	1	-	2	3	7	18
MALE.....	2,030	-	-	-	-	-	-	4	4
FEMALE...	6,371	-	-	1	-	2	3	3	14
DIVORCED....	2,446	-	-	7	33	77	84	100	117
MALE.....	1,411	-	-	3	24	54	52	65	77
FEMALE...	1,035	-	-	4	9	23	32	35	40
UNKNOWN....	72	-	1	-	4	6	2	1	4
MALE.....	59	-	-	-	1	4	2	1	4
FEMALE...	13	-	1	-	3	2	-	-	-

AGE AT DEATH										
	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85-89	90+	N.S.
TOTAL.....	645	1,074	1,655	2,427	3,183	3,520	3,356	2,769	2,865	-
MALE.....	408	664	988	1,447	1,862	1,908	1,623	1,103	841	-
FEMALE...	237	410	667	980	1,321	1,612	1,733	1,666	2,024	-
SINGLE.....	40	57	80	99	116	143	138	127	134	-
MALE.....	30	39	60	77	81	81	78	48	45	-
FEMALE...	10	18	20	22	35	62	60	79	89	-
MARRIED....	417	718	1,087	1,561	1,930	1,817	1,375	820	383	-
MALE.....	262	456	701	1,038	1,369	1,314	1,015	626	319	-
FEMALE...	155	262	386	523	561	503	360	194	64	-
WIDOWED....	28	86	223	426	805	1,265	1,627	1,681	2,229	-
MALE.....	8	24	63	125	216	348	421	378	439	-
FEMALE...	20	62	160	301	589	917	1,206	1,303	1,790	-
DIVORCED....	158	206	256	332	327	286	209	139	115	-
MALE.....	106	138	157	198	192	156	104	49	36	-
FEMALE...	52	68	99	134	135	130	105	90	79	-
UNKNOWN....	2	7	9	9	5	9	7	2	4	-
MALE.....	2	7	7	9	4	9	5	2	2	-
FEMALE...	-	-	2	-	1	-	2	-	2	-

- QUANTITY IS ZERO

TABLE 4-6. RESIDENT DEATHS FOR SELECTED CAUSES BY AGE AND SEX, OREGON, 1987

9TH REV. ICD	CAUSE OF DEATH	Total	AGE GROUPS										
			< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
TOTAL.....	MALE.....	24,181	402	76	98	406	551	688	1,111	2,729	5,610	6,876	5,634
	FEMALE.....	12,680	250	52	66	315	413	453	693	1,652	3,309	3,531	1,944
		11,501	152	24	32	91	138	235	418	1,077	2,301	3,345	3,690
010-018, 137	I. INFECTIVE AND PARASITIC DISEASES	263	4	2	1	6	44	29	24	30	40	50	33
	MALE.....	171	3	1	-	5	41	27	18	20	22	20	14
	FEMALE.....	92	1	1	1	1	3	2	6	10	18	30	19
038	TUBERCULOSIS, ALL FORMS	15	-	-	-	-	1	-	-	2	3	3	6
	MALE.....	7	-	-	-	-	-	-	-	1	2	1	3
	FEMALE.....	8	-	-	-	-	1	-	-	1	1	2	3
042-044	SEPTICEMIA	82	2	1	1	2	2	1	4	11	19	23	16
	MALE.....	42	2	1	1	1	2	1	3	7	12	17	7
	FEMALE.....	40	-	1	1	1	-	-	1	4	7	16	9
070	AIDS	78	-	-	-	2	37	22	11	3	2	1	-
	MALE.....	76	-	-	-	2	36	22	11	3	2	-	-
	FEMALE.....	2	-	-	-	-	1	-	-	-	-	1	-
RESIDUAL OF 001-139	VIRAL HEPATITIS	21	-	-	-	1	-	2	2	5	4	6	1
	MALE.....	13	-	-	-	1	-	1	1	4	2	4	-
	FEMALE.....	8	-	-	-	-	-	1	1	1	2	2	1
OTHER INFECTIVE & PARASITIC DISEASES OF 001-139	MALE.....	67	2	1	-	1	4	4	7	9	12	17	10
	FEMALE.....	33	1	1	-	1	3	3	3	5	4	8	4
		34	1	-	-	-	1	1	4	4	8	9	6
II. NEOPLASMS	MALE.....	5,651	2	6	10	22	59	157	399	1,075	1,840	1,475	606
	FEMALE.....	2,996	2	4	4	13	30	60	209	567	1,023	813	271
		2,655	-	2	6	9	29	97	190	508	817	662	335
140-208	MALIGNANT NEOPLASMS	5,594	1	6	10	22	59	155	394	1,071	1,826	1,454	596
	MALE.....	2,973	1	4	4	13	30	58	207	566	1,013	809	268
	FEMALE.....	2,621	-	2	6	9	29	97	187	505	813	645	328
140-149	OF BUCCAL CAVITY & PHARYNX	104	-	-	-	1	-	3	6	27	27	26	14
	MALE.....	61	-	-	-	-	-	2	5	17	10	17	10
	FEMALE.....	43	-	-	-	1	-	1	1	10	17	9	4
150-159	OF DIGESTIVE ORGANS & PERITONEUM	1,287	-	2	1	1	4	25	73	209	415	381	176
	MALE.....	714	-	2	1	-	3	12	50	118	248	204	76
	FEMALE.....	573	-	-	-	1	1	13	23	91	167	177	100

TABLE 4-6. RESIDENT DEATHS FOR SELECTED CAUSES BY AGE AND SEX, OREGON, 1987-Continued

9TH REV. ICD	CAUSE OF DEATH	Total	AGE GROUPS											
			< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	
150	ESOPHAGUS	109	-	-	-	-	-	-	1	12	23	41	25	7
	MALE.....	87	-	-	-	-	-	-	-	11	19	34	18	5
151	STOMACH	116	-	-	-	-	-	-	4	6	24	32	33	15
	MALE.....	75	-	-	-	-	-	-	3	3	18	25	18	7
153	LARGE INTESTINE (EXC. RECTUM)	494	-	-	-	-	-	-	10	25	72	159	138	90
	MALE.....	263	-	-	-	-	-	-	4	14	41	87	78	39
154	RECTUM	83	-	-	-	-	-	-	3	6	15	22	27	12
	MALE.....	42	-	-	-	-	-	-	1	3	8	11	13	6
157	PANCREAS	302	-	-	-	-	-	-	3	17	52	96	109	25
	MALE.....	149	-	-	-	-	-	-	3	11	23	51	52	9
160-165	OF RESPIRATORY/INTRATHORACIC ORGAN	1,671	-	-	-	1	3	34	128	411	624	387	83	8
	MALE.....	1,060	-	-	-	1	1	20	69	258	400	265	46	3
162.2-.9	BRONCHUS AND LUNG	1,607	-	-	-	1	1	29	125	397	606	371	77	7
	MALE.....	1,016	-	-	-	1	1	17	66	248	389	252	43	3
170-175	OF BONE, CONNECTIVE TISSUE, SKIN AND BREAST	591	-	-	-	-	-	-	12	59	149	217	119	34
	MALE.....	629	1	1	2	3	16	44	67	146	173	117	59	3
172	MALIGNANT MELANOMA	81	-	-	-	-	-	-	8	13	17	18	12	3
	MALE.....	60	-	-	-	-	-	-	5	15	12	15	8	-
173	OTHER SKIN	24	-	-	-	-	-	-	2	3	5	4	3	3
	MALE.....	16	-	-	-	-	-	-	1	1	7	6	5	4
174-175	BREAST	465	-	-	-	-	-	-	-	-	2	2	2	2
	MALE.....	3	-	-	-	-	-	-	-	-	1	1	1	50
179-187	OF GENITAL ORGANS	648	-	-	-	-	-	-	7	23	74	218	209	105
	MALE.....	356	-	-	-	-	-	-	3	3	25	122	126	76
	FEMALE...	292	-	-	-	-	-	-	4	11	49	96	83	29

TABLE 4-6. RESIDENT DEATHS FOR SELECTED CAUSES BY AGE AND SEX, OREGON, 1987-Continued

9TH REV. ICD	CAUSE OF DEATH	Total	AGE GROUPS										
			< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
179-182	CERVIX & UTERUS	124	-	-	-	-	2	7	6	15	40	41	13
	FEMALE...	124	-	-	-	-	2	7	6	15	40	41	13
183.0	OVARY	156	-	-	-	-	1	4	14	34	51	38	14
	FEMALE...	156	-	-	-	-	1	4	14	34	51	38	14
185	PROSTATE	346	-	-	-	-	-	-	3	24	118	125	76
	MALE.....	346	-	-	-	-	-	-	3	24	118	125	76
188-189	OF URINARY ORGANS	249	-	1	-	1	-	-	15	34	79	71	48
	MALE.....	167	-	1	-	1	-	-	12	23	52	52	27
	FEMALE...	82	-	-	-	-	-	-	3	11	27	19	21
188	BLADDER	136	-	1	-	1	-	-	4	12	36	42	40
	MALE.....	98	-	1	-	1	-	-	3	11	27	32	24
	FEMALE...	38	-	-	-	-	-	-	1	1	9	10	16
190-199	OF OTHER & UNSPECIFIED SITES	471	-	1	3	4	13	21	40	89	127	122	51
	MALE.....	226	-	1	1	2	9	9	7	52	65	51	15
	FEMALE...	245	-	1	2	2	4	14	16	37	62	71	36
191	BRAIN	169	-	-	2	3	9	14	18	37	54	24	8
	MALE.....	94	-	-	-	1	6	5	15	27	29	10	1
	FEMALE...	75	-	-	2	2	3	9	3	10	25	14	7
200-208	OF LYMPHATIC AND HEMATOPOIETIC TISSUES	535	-	1	4	11	16	16	42	81	163	141	60
	MALE.....	282	-	1	2	8	7	7	27	49	87	79	15
	FEMALE...	253	-	-	2	3	9	9	15	32	76	62	45
204-208	LEUKEMIA	218	-	-	4	8	13	6	18	28	61	54	26
	MALE.....	115	-	-	2	6	6	2	10	15	32	34	8
	FEMALE...	103	-	-	2	2	7	4	8	13	29	20	18
204	LYMPHATIC LEUKEMIA	67	-	-	1	3	2	1	2	9	18	19	12
	MALE.....	34	-	-	1	1	1	1	1	6	8	11	3
	FEMALE...	33	-	-	-	-	-	-	1	3	10	8	9
210-229	BENIGN NEOPLASMS	14	-	-	-	-	-	-	4	2	4	2	3
	MALE.....	9	-	-	-	-	-	-	1	-	4	1	2
	FEMALE...	7	-	-	-	-	-	-	3	2	-	1	1
230-239	IN SITU, UNCERTAIN BEHAVIOR & UNSPECIFIED NATURE NEOPLASMS	41	1	-	-	-	-	-	1	2	10	19	7
	MALE.....	14	1	-	-	-	-	-	1	1	6	3	1
	FEMALE...	27	-	-	-	-	-	-	1	1	4	16	6

TABLE 4-6. RESIDENT DEATHS FOR SELECTED CAUSES BY AGE AND SEX, OREGON, 1987-Continued

9TH REV. ICD	CAUSE OF DEATH	Total	AGE GROUPS										
			< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
250	III. ENDOCRINE, NUTRITIONAL, AND METABOLIC DISEASES	525	1	1	2	3	17	17	27	69	141	160	87
	MALE.....	253	1	1	2	3	12	11	15	32	73	63	38
	FEMALE....	272	-	-	-	-	5	6	12	37	66	97	49
250	DIABETES MELLITUS	395	-	-	-	2	7	12	19	58	123	119	55
	MALE.....	187	-	-	-	2	7	8	11	26	65	43	25
	FEMALE....	208	-	-	-	-	-	4	8	32	58	76	30
240-279	OTHER ENDOCRINE, NUTRITIONAL, AND METABOLIC DISEASES	130	1	1	2	1	10	5	8	11	18	41	32
	MALE.....	66	1	1	2	1	5	3	4	6	10	20	13
	FEMALE....	64	-	-	-	-	5	2	4	5	8	21	19
280-285	IV. DISEASES OF THE BLOOD AND METABOLIC DISEASES	84	-	-	-	2	3	2	1	5	14	30	27
	MALE.....	52	-	-	-	2	2	1	1	3	12	19	14
	FEMALE....	32	-	-	-	-	1	-	-	2	2	11	13
280-285	ANEMIAS	38	-	-	-	1	2	-	1	2	3	11	18
	MALE.....	22	-	-	-	-	1	-	1	2	3	7	8
	FEMALE....	16	-	-	-	1	1	-	-	-	-	4	10
RESIDUAL OF 280-289	OTHER DISEASES OF THE BLOOD AND BLOOD-FORMING ORGANS	46	-	-	-	1	1	2	-	3	11	19	9
	MALE.....	30	-	-	-	1	1	1	-	1	9	12	6
	FEMALE....	16	-	-	-	-	-	-	-	2	2	7	3
291	V. MENTAL DISORDERS	409	-	-	-	1	6	10	18	41	63	102	168
	MALE.....	176	-	-	-	1	5	8	14	27	42	41	39
	FEMALE....	233	-	-	-	1	1	2	4	14	21	61	129
291	ALCOHOLIC PSYCHOSES	10	-	-	-	-	-	2	1	2	2	3	-
	MALE.....	7	-	-	-	-	-	2	1	2	1	2	-
	FEMALE....	3	-	-	-	-	-	-	-	-	1	-	-
303	ALCOHOLISM	86	-	-	-	-	-	7	16	30	25	6	2
	MALE.....	65	-	-	-	-	-	5	13	21	21	4	1
	FEMALE....	21	-	-	-	-	-	2	3	9	4	2	1
304	DRUG DEPENDENCE	5	-	-	-	-	-	3	-	-	1	-	-
	MALE.....	4	-	-	-	-	-	3	-	-	-	-	-
	FEMALE....	1	-	-	-	-	-	-	-	-	1	-	-

TABLE 4-6. RESIDENT DEATHS FOR SELECTED CAUSES BY AGE AND SEX, OREGON, 1987-Continued

9TH REV. ICD	CAUSE OF DEATH	Total	AGE GROUPS										
			< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
305 RESIDUAL OF 290-319	NON-DEPENDENT DRUG ABUSE	23 15 8	-	-	-	-	3	-	-	5	8	5	2
	MALE..... FEMALE...		-	-	-	-	2 1	-	-	3 2	6 2	3 2	1 1
290-319	OTHER MENTAL DISORDERS	285 85 200	-	-	-	1	-	-	1	4	27	88	164
	MALE..... FEMALE...		-	-	-	1	-	-	1	1 3	14 13	33 55	37 127
320-322	VI. DISEASES OF THE NERVOUS SYSTEM AND SENSE ORGANS	561 264 297	4	6	7	3	11	14	18	45	100	206	147
	MALE..... FEMALE...		3 1	3 3	4 3	3 -	6 5	10 4	9 9	22 23	48 52	107 99	49 98
3310	MENINGITIS	7 5 2	1	1	-	-	1	-	1	-	1	-	2
	MALE..... FEMALE...		1 -	1 -	-	-	1 -	-	1 -	-	1 -	-	2
332	ALZHEIMER'S DISEASE	251 96 155	-	-	-	-	-	-	-	5	38	107	101
	MALE..... FEMALE...		-	-	-	-	-	-	-	2 3	19 19	51 56	49 77
345	PARKINSON'S DISEASE	111 68 43	-	-	-	-	-	-	-	6	20	58	27
	MALE..... FEMALE...		-	-	-	-	-	-	-	3 3	11 9	38 20	16 11
RESIDUAL OF 320-389	EPILEPSY	18 12 6	-	-	-	-	6	2	-	5	5	-	-
	MALE..... FEMALE...		-	-	-	-	4 2	2 -	-	3 2	3 2	-	-
390-448	OTHER DISEASES OF THE NERVOUS SYSTEM AND SENSE ORGANS	174 83 91	3	5	7	3	4	12	17	29	36	41	17
	MALE..... FEMALE...		2 1	2 3	4 3	3 -	1 3	8 4	8 9	14 15	14 22	18 23	9 8
VII. DISEASES OF THE CIRCULATORY SYSTEM		10,792 5,343 5,449	9	-	5	9	33	139	346	954	2,313	3,486	3,498
	MALE..... FEMALE...		5 4	-	2 3	4 5	24 9	102 37	253 93	660 294	1,443 870	1,717 1,769	1,133 2,365
390-448	MAJOR CARDIOVASCULAR DISEASES	10,736 5,319 5,417	7	-	5	9	33	135	365	949	2,302	3,470	3,481
	MALE..... FEMALE...		3 4	-	2 3	4 5	24 9	100 35	253 92	657 292	1,439 863	1,710 1,760	1,127 2,354

TABLE 4-6. RESIDENT DEATHS FOR SELECTED CAUSES BY AGE AND SEX, OREGON, 1987-Continued

9TH REV. ICD	CAUSE OF DEATH	Total	AGE GROUPS										
			< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
390-398, 402, 429 404-429	DISEASES OF THE HEART	7,946 4,182 3,764	7 3 4	- - -	5 2 3	7 4 3	26 20 6	113 90 23	289 228 61	808 581 227	1,816 1,174 642	2,507 1,250 1,257	2,368 810 1,558
	MALE..... FEMALE...												
390-398	RHEUMATIC FEVER & CHRONIC RHEUMATIC HEART DISEASE	70 23 47	- - -	- - -	- - -	- - -	1 - 1	3 1 2	7 3 4	5 4 1	21 7 14	25 7 18	8 1 7
	MALE..... FEMALE....												
402, 404	HYPERTENSIVE HEART DISEASE WITH/WITHOUT RENAL DISEASE	201 65 136	- - -	- - -	- - -	- - -	- - -	4 2 2	7 3 4	11 8 3	30 9 21	76 29 47	73 14 59
	MALE..... FEMALE....												
410-414	ISCHEMIC HEART DISEASE	5,931 3,242 2,689	1 1 1	- - -	- - -	- - -	11 9 2	84 68 16	228 192 36	671 497 174	1,423 930 493	1,862 967 895	1,650 578 1,072
	MALE..... FEMALE....												
410	MYOCARDIAL INFARCTION	2,185 1,247 938	1 - 1	- - -	- - -	- - -	2 2 -	31 26 5	86 70 16	271 200 71	585 376 209	749 399 350	459 173 286
	MALE..... FEMALE....												
411	OTHER ACUTE AND SUBACUTE	8 3 5	- - -	- - -	- - -	- - -	- - -	- - -	1 1 -	- - -	- - -	3 1 2	4 1 3
	MALE..... FEMALE....												
412-414	CHRONIC ISCHEMIC HEART DISEASE	3,738 1,992 1,746	- - -	- - -	- - -	- - -	9 7 2	53 42 11	141 121 20	400 297 103	838 554 284	1,110 567 543	1,187 404 783
	MALE..... FEMALE...												
415-429	ALL OTHER FORMS	1,744 832 912	6 3 3	- - -	5 2 3	6 3 3	14 11 3	22 19 3	47 30 17	121 72 49	342 228 114	544 247 297	637 217 420
	MALE..... FEMALE....												
401, 403	HYPERTENSION	113 47 66	- - -	- - -	- - -	- - -	- - -	- - -	2 2 2	7 4 3	23 9 14	45 22 23	36 12 24
	MALE..... FEMALE....												
430-438	CEREBROVASCULAR DISEASE	1,958 1,769 1,189	- - -	- - -	- - -	2 2 -	5 2 3	20 9 11	44 20 24	89 43 46	327 174 153	676 298 378	795 225 572
	MALE..... FEMALE....												
430	SUBARACHNOID HEMORRHAGE	79 28 51	- - -	- - -	- - -	- - -	4 2 2	7 1 6	13 5 8	20 10 10	15 6 9	14 4 10	6 - 6
	MALE..... FEMALE....												

TABLE 4-6. RESIDENT DEATHS FOR SELECTED CAUSES BY AGE AND SEX, OREGON, 1987-Continued

9TH REV. ICD	CAUSE OF DEATH	Total	AGE GROUPS										
			< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
431-432	INTRACEREBRAL & INTRACRANIAL HEMORRHAGES	219 88 131	-	-	-	1	-	8	16	19	51	82	42
	MALE.....		-	-	-	-	3	7	9	9	25	31	13
	FEMALE...		-	-	-	-	5	9	10	26	51	29	
434	CEREBRAL THROMBOSIS & EMBOLISM	266 103 163	-	-	-	-	1	-	5	4	49	100	107
	MALE.....		-	-	-	-	-	3	3	2	27	39	32
	FEMALE...		-	-	-	-	1	2	2	22	61	75	
436	ACUTE BUT ILL-DEFINED CEREBROVASCULAR DISEASE	1,166 461 705	-	-	-	-	-	4	7	39	181	404	531
	MALE.....		-	-	-	-	4	3	18	102	187	147	147
	FEMALE...		-	-	-	-	-	4	21	79	217	384	384
437	GENERALIZED ISCHEMIC CEREBROVASCULAR DISEASE	132 49 83	-	-	-	1	-	-	1	4	14	38	74
	MALE.....		-	-	-	1	-	-	1	2	5	18	24
	FEMALE...		-	-	-	-	-	-	1	2	9	20	50
440	ARTERIOSCLEROSIS	440 174 266	-	-	-	-	-	1	4	14	53	143	225
	MALE.....		-	-	-	-	-	1	3	9	26	80	55
	FEMALE...		-	-	-	-	-	1	1	5	27	63	170
441-448	OTHER DISEASES OF ARTERIES, ARTERIOLES & CAPILLARIES	279 167 112	-	-	-	-	2	1	6	31	83	99	57
	MALE.....		-	-	-	-	2	1	2	20	56	60	27
	FEMALE...		-	-	-	-	-	1	4	11	27	39	30
451-453	VENOUS THROMBOSIS & EMBOLISM	29 9 20	-	-	-	-	-	2	-	2	8	8	9
	MALE.....		-	-	-	-	-	2	-	1	3	3	2
	FEMALE...		-	-	-	-	-	-	-	1	5	5	7
RESIDUAL OF 390-459	OTHER DISEASES OF THE CIRCULATORY SYSTEM	27 15 12	2	-	-	-	-	2	1	3	3	8	8
	MALE.....		2	-	-	-	-	2	1	2	1	4	4
	FEMALE...		-	-	-	-	-	-	-	1	2	4	4
VIII.	DISEASES OF THE RESPIRATORY SYSTEM	2,208 1,173 1,035	3	1	1	2	10	14	42	182	589	793	571
	MALE.....		2	1	1	2	5	10	21	105	340	466	223
	FEMALE...		1	-	-	-	5	4	21	77	249	327	348
480-487	PNEUMONIA & INFLUENZA	743 340 403	3	1	1	1	1	7	10	18	95	247	359
	MALE.....		3	1	1	1	1	5	5	15	64	132	115
	FEMALE...		1	-	-	-	1	2	5	3	31	115	244

TABLE 4-6. RESIDENT DEATHS FOR SELECTED CAUSES BY AGE AND SEX, OREGON, 1987-Continued

9TH REV. ICD	CAUSE OF DEATH	Total	AGE GROUPS										
			< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
480-486	PNEUMONIA	726	2	1	1	1	1	7	10	18	93	240	352
	MALE.....	333	1	1	-	-	-	5	5	15	63	129	113
487	INFLUENZA	393	1	-	1	1	-	5	5	3	30	111	239
	MALE.....	17	1	-	-	-	-	-	-	-	2	7	7
490-496	CHRONIC OBSTRUCTIVE PULMONARY DISEASE AND ALLIED CONDITIONS	7	1	-	-	-	-	-	-	-	1	3	2
	MALE.....	10	-	-	-	-	-	-	-	-	1	4	5
490-491	CHRONIC & UNSPECIFIED BRONCHITIS	1,233	-	-	-	-	4	2	23	143	451	472	138
	MALE.....	725	-	-	-	-	3	2	10	79	254	297	80
492	EMPHYSEMA	508	-	-	-	-	1	-	13	64	197	175	58
	MALE.....	49	-	-	-	-	-	-	1	6	15	15	12
493	ASTHMA	21	-	-	-	-	-	-	1	3	12	4	8
	MALE.....	28	-	-	-	-	-	-	1	3	12	4	8
494	BRONCHIECTASIS	292	-	-	-	-	1	1	9	36	114	114	17
	MALE.....	178	-	-	-	-	1	1	5	22	68	70	11
495	EXTRINSIC ALLERGIC ALVEOLITIS	114	-	-	-	-	-	-	4	14	46	44	6
	MALE.....	77	-	-	-	-	3	-	11	30	20	20	11
496	CHRONIC AIRWAYS OBSTRUCTION NOT ELSEWHERE CLASSIFIED (COPD)	28	-	-	-	-	2	-	1	5	9	7	4
	MALE.....	49	-	-	-	-	1	-	6	21	13	13	7
497	OTHER DISEASES OF THE RESPIRATORY SYSTEM	14	-	-	-	-	-	-	-	2	6	4	2
	MALE.....	6	-	-	-	-	-	-	-	1	2	3	-
498	OTHER DISEASES OF THE RESPIRATORY SYSTEM	8	-	-	-	-	-	-	-	1	4	1	2
	MALE.....	1	-	-	-	-	-	-	-	-	-	1	-
499	OTHER DISEASES OF THE RESPIRATORY SYSTEM	1	-	-	-	-	-	-	-	-	-	1	-
	MALE.....	800	-	-	-	-	-	1	11	88	286	318	96
500	OTHER DISEASES OF THE RESPIRATORY SYSTEM	491	-	-	-	-	-	1	4	48	172	205	61
	MALE.....	309	-	-	-	-	-	-	7	40	114	113	35
501	OTHER DISEASES OF THE RESPIRATORY SYSTEM	232	-	-	-	1	5	9	21	43	74	74	74
	MALE.....	108	-	-	-	-	1	6	11	22	37	37	28
502	OTHER DISEASES OF THE RESPIRATORY SYSTEM	124	-	-	-	1	4	3	10	21	37	37	46
	MALE.....	769	-	1	1	3	12	34	119	179	194	194	170
503	OTHER DISEASES OF THE RESPIRATORY SYSTEM	370	-	1	1	2	6	24	69	101	88	88	47
	MALE.....	399	-	-	-	1	6	10	50	78	106	106	123

TABLE 4-6. RESIDENT DEATHS FOR SELECTED CAUSES BY AGE AND SEX, OREGON, 1987-Continued

9TH REV. ICD	CAUSE OF DEATH	Total	AGE GROUPS										
			< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
531	ULCER OF THE STOMACH MALE..... FEMALE....	23 5 18	-	-	-	-	-	1	1	3	3	6	9
532	ULCER OF THE DUODENUM MALE..... FEMALE....	20 8 12	-	-	-	-	-	-	1	1	5	6	7
533	PEPTIC ULCER MALE..... FEMALE....	38 20 18	-	-	-	-	-	-	-	2	8	12	16
550-553, 560	HERNIA & INTESTINAL OBSTRUCTION MALE..... FEMALE....	60 29 31	-	1	1	1	2	1	-	5	9	20	20
571	CIRRHOSIS OF THE LIVER MALE..... FEMALE....	253 160 93	-	-	-	1	7	26	41	74	64	31	9
571.0-.3	ALCOHOLIC CIRRHOSIS OF THE LIVER MALE..... FEMALE....	205 139 66	-	-	-	-	6	20	39	67	50	22	1
574-576	DISEASES OF THE GALLBLADDER MALE..... FEMALE....	39 18 21	-	-	-	-	-	2	1	5	7	14	10
577	DISEASES OF THE PANCREAS MALE..... FEMALE....	20 13 7	-	-	-	-	1	-	2	5	5	5	2
RESIDUAL OF 520-579	OTHER DISEASES OF THE DIGESTIVE SYSTEM MALE..... FEMALE....	316 117 199	-	-	-	1	2	4	10	24	78	100	97
580-589	X. DISEASES OF THE GENITOURINARY SYSTEM MALE..... FEMALE....	277 116 161	-	-	-	-	2	3	5	13	46	96	112
	NEPHritis & NEPHROSIS MALE..... FEMALE....	111 52 59	-	-	-	-	1	-	3	6	24	34	43
			-	-	-	-	1	-	2	2	13	18	25

TABLE 4-6. RESIDENT DEATHS FOR SELECTED CAUSES BY AGE AND SEX, OREGON, 1987-Continued

9TH REV. ICD	CAUSE OF DEATH	Total	AGE GROUPS										
			< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
590	INFECTIONS OF THE KIDNEY MALE..... FEMALE....	26 6 20	- - -	- - -	- - -	- - -	- - -	1 1 1	1 1 1	2 1 1	1 - 1	11 3 8	10 1 9
600-608	DISEASES OF MALE GENITAL ORGANS MALE.....	11 11	- -	- -	- -	- -	- -	- -	- -	- -	2 2	4 4	5 5
614-629	DISEASES OF THE UTERUS AND OTHER FEMALE GENITAL ORGANS FEMALE...	4 4	- -	- -	- -	- -	- -	1 1	- -	- -	1 1	1 1	1 1
RESIDUAL OF 580-629	OTHER DISEASES OF THE GENITO- URINARY SYSTEM MALE..... FEMALE....	125 47 78	- - -	- - -	- - -	- - -	1 1 -	1 1 -	1 - 1	5 2 3	18 9 9	46 21 25	53 13 40
630-676	XI. COMPLICATIONS OF PREGNANCY, CHILD BIRTH, AND THE PUERPERIUM FEMALE...	2 2	- -	- -	- -	2 2	- -	- -	- -	- -	- -	- -	- -
	COMPLICATIONS OF PREGNANCY, CHILD- BIRTH AND THE PUERPERIUM FEMALE...	2 2	- -	- -	- -	2 2	- -	- -	- -	- -	- -	- -	- -
680-709	XII. DISEASES OF THE SKIN AND SUB- CUTANEOUS TISSUE MALE..... FEMALE....	21 7 14	- - -	- - -	- - -	- - -	- - -	- - -	- - -	2 1 1	5 3 2	7 1 6	7 2 5
	DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE MALE..... FEMALE....	21 7 14	- - -	- - -	- - -	- - -	- - -	- - -	- - -	2 1 1	5 3 2	7 1 6	7 2 5
	XIII. MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE DISEASES MALE..... FEMALE....	72 20 52	- - -	- - -	- - -	1 1	- -	4 2 2	2 2 -	11 7 4	20 3 17	18 5 13	16 1 15
	XIV. CONGENITAL ANOMALIES MALE..... FEMALE....	142 76 66	83 43 40	13 9 4	7 6 1	3 6 1	8 4 4	6 5 1	6 3 3	3 1 2	6 1 5	5 1 4	2 1 1

TABLE 4-6. RESIDENT DEATHS FOR SELECTED CAUSES BY AGE AND SEX, OREGON, 1987-Continued

9TH REV. ICD	CAUSE OF DEATH	Total	AGE GROUPS										
			< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
745-746 RESIDUAL OF 740-759	CONGENITAL ANOMALIES OF THE HEART MALE..... FEMALE....	53 29 24	24 12 12	8 4 4	4 4 -	3 2 1	5 2 5	2 2 -	3 2 1	1 1 -	1 1 -	2 2 -	- - -
	OTHER CONGENITAL ANOMALIES MALE..... FEMALE....	89 47 42	59 31 28	5 5 -	3 2 1	3 2 1	4 3 1	3 1 2	2 1 2	5 1 4	3 1 2	3 1 2	2 1 1
XV.	CERTAIN CAUSES OF MORTALITY IN EARLY INFANCY MALE..... FEMALE....	160 100 60	160 100 60	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -
	XVI. SYMPTOMS AND ILL-DEFINED CONDITIONS MALE..... FEMALE....	440 241 199	118 79 39	1 - 1	1 1 1	2 1 1	3 2 1	8 6 2	10 3 7	39 28 11	94 57 37	89 40 49	75 25 50
797	SENILITY MALE..... FEMALE....	7 1 6	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	1 1 -	6 1 5
	SUDDEN INFANT DEATH SYNDROME MALE..... FEMALE....	115 77 38	115 77 38	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -
798.0	OTHER SYMPTOMS AND ILL-DEFINED CONDITIONS MALE..... FEMALE....	318 163 155	3 2 1	1 - 1	1 1 1	2 1 1	3 2 1	8 6 2	10 3 7	39 28 11	94 57 37	88 40 48	69 24 45
	XVII. ACCIDENTS, POISONINGS, AND VIOLENCE MALE..... FEMALE....	1,805 1,322 483	18 12 6	45 32 13	63 47 16	347 282 65	343 274 69	251 188 63	157 111 46	141 105 36	160 115 45	165 106 59	115 50 65
800-949	ACCIDENTS MALE..... FEMALE....	1,185 835 350	12 8 4	39 29 10	54 41 13	253 209 44	190 154 36	142 107 35	90 62 28	90 64 26	91 57 34	120 65 55	104 39 65
	MOTOR VEHICLE ACCIDENTS MALE..... FEMALE....	642 457 185	4 3 1	13 9 4	31 21 10	201 161 40	123 93 30	85 56 29	55 34 21	37 27 10	40 23 17	40 22 18	13 8 5

TABLE 4-6. RESIDENT DEATHS FOR SELECTED CAUSES BY AGE AND SEX, OREGON, 1987-Continued

9TH REV. ICD	CAUSE OF DEATH	Total	AGE GROUPS										
			< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
830-838	WATER TRANSPORT ACCIDENTS MALE..... FEMALE....	30 28 2	-	-	-	7 6 1	7 7	6 6	3 3	3 2 1	2 2	1 1	1 1
840-845	AIR TRANSPORT ACCIDENTS MALE..... FEMALE....	18 15 3	-	-	-	-	4 4 -	4 3 1	2 1 1	4 3 1	4 4	-	-
850-869	POISONING ACCIDENTS MALE..... FEMALE....	46 33 13	-	-	-	7 7	13 11 2	13 10 3	6 4 2	4 1 3	1 1	2 2	-
880-888	ACCIDENTAL FALLS MALE..... FEMALE....	167 78 89	1 1	-	1 1	1 1	2 2	3 3	4 2	15 10 5	20 9 11	48 25 23	72 24 48
890-899	FIRE & FLAME ACCIDENTS MALE..... FEMALE....	40 31 9	-	5 4 1	5 4 1	4 4 -	4 8 -	3 2 1	2 2	4 2	4 1	3 1 2	2 1 1
910	DROWNING AND SUBMERSION MALE..... FEMALE....	84 71 13	2 2	16 12 4	9 8 1	21 19 2	15 12 3	7 6 1	6 6	4 4	2 2	2 2	-
950-959	SUICIDES MALE..... FEMALE....	400 327 73	-	-	1 1	57 48 9	83 67 16	73 55 18	38 27 11	40 33 7	57 48 9	44 41 3	7 7
960-978	HOMICIDES MALE..... FEMALE....	164 113 51	5 3 2	6 3 3	7 4 3	25 15 10	51 36 15	22 14 8	25 19 6	9 7 2	10 9 1	1 1	3 3
980-989	INJURIES UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED MALE..... FEMALE....	55 46 9	1 1	-	1 1	12 10 2	19 17 2	14 12	4 3	2 1	2 1	-	-
990-999	INJURIES RESULTING FROM WAR..... MALE.....	1 1	-	-	-	-	-	-	-	-	-	-	1 1

- INDICATES QUANTITY EQUALS ZERO

TABLE 4-7. RESIDENT DEATH RATES FOR SELECTED CAUSES BY AGE AND SEX, OREGON, 1987

CAUSE OF DEATH		AGE GROUPS										
		TOTAL	< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
ALL CAUSES	MALE.....	898.9	1063.9	49.0	25.9	102.8	119.4	164.4	438.4	1209.7	2654.8	8134.6
	FEMALE...	961.2	1297.0	65.8	34.1	155.9	180.8	216.3	547.9	1544.2	3465.2	9530.7
		839.0	821.2	31.6	17.3	47.2	59.2	112.0	329.3	908.1	1986.7	7302.1
I. INFECTIVE AND PARASITIC DISEASE	MALE.....	9.8	10.6	1.3	.3	1.5	9.5	6.9	9.5	13.3	18.9	54.0
	FEMALE...	13.0	15.6	1.3	.5	2.5	17.9	12.8	14.2	18.7	23.0	59.2
		6.7	5.4	1.3	.5	.5	1.3	1.0	4.7	8.4	15.5	50.9
010-018 TUBERCULOSIS, ALL FORMS	MALE.....	.6					.2			.9	1.4	5.9
137	FEMALE...	.5					.4			.9	2.1	7.0
		.6								.8	.9	5.2
038 SEPTICEMIA	MALE.....	3.0	5.3	.6	.3	.5	.4	.2	1.6	4.9	9.0	25.4
	FEMALE...	3.2	10.4	1.3	.5	.5	.9	.5	2.4	6.5	12.6	24.4
		2.9							.8	3.4	6.0	25.9
042-044 AIDS	MALE.....	2.9				.5	8.0	5.3	4.3	1.3	.9	.7
	FEMALE...	5.8				1.0	15.8	10.5	8.7	2.8	2.1	1.0
		.1				.4						
070 VIRAL HEPATITIS	MALE.....	.8				.3		.5	.8	2.2	1.9	4.6
	FEMALE...	1.0				.5		.5	.8	3.7	2.1	7.0
		.6							.8	.8	1.7	3.1
RESIDUAL OF OTHER INFECTIVE & PARASITIC DISEASES	MALE.....	2.5	5.3	.6		.3	.9	1.0	2.8	4.0	5.7	17.6
001-139	FEMALE...	2.5	5.2	1.3		.5	1.3	1.4	2.4	4.7	4.2	20.9
		2.5	5.4				.4	.5	3.2	3.4	6.9	15.6
II. NEOPLASMS	MALE.....	210.1	5.3	3.9	2.6	5.6	12.8	37.5	157.4	476.5	870.7	1353.2
	FEMALE...	227.1	10.4	5.1	2.1	6.4	13.1	28.5	165.2	530.0	1071.3	1887.0
		193.7		2.6	3.3	4.7	12.4	46.6	149.7	428.3	705.4	1034.9
140-208 MALIGNANT NEOPLASMS	MALE.....	208.0	2.6	3.9	2.6	5.6	12.8	37.0	155.5	474.8	864.1	1333.0
	FEMALE...	225.4	5.2	5.1	2.1	6.4	13.1	27.6	163.7	529.1	1060.8	1874.8
		191.2		2.6	3.3	4.7	12.4	46.6	147.3	425.8	701.9	1009.9
140-149 OF BUCCAL CAVITY & PHARYNX	MALE.....	3.9				.3		.7	2.4	12.0	12.8	26.0
	FEMALE...	4.6				.5		1.0	4.0	15.9	10.5	47.0
		3.1						.5	.8	8.4	14.7	13.5
150-159 OF DIGESTIVE ORGANS & PERITONEUM	MALE.....	47.8	.3	1.3	.3	.3	.9	6.0	28.8	92.6	196.4	362.2
	FEMALE...	54.1	.5	2.5	.5	.5	1.3	5.7	39.5	110.3	259.7	487.4
		41.8					.4	6.2	18.1	76.7	144.2	287.5
150 ESOPHAGUS	MALE.....	4.1						.2	4.7	10.2	19.4	20.8
	FEMALE...	6.6						8.7	17.8	17.8	35.6	40.0
		1.6						.5	.8	3.4	6.0	9.3

TABLE 4-7.

RESIDENT DEATH RATES FOR SELECTED CAUSES BY AGE AND SEX, OREGON, 1987-CONTINUED

	CAUSE OF DEATH	AGE GROUPS										
		TOTAL	< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
151	STOMACH	4.3 5.7 3.0					.4 .4	1.0 1.4 .5	2.4 2.4 2.4	10.6 16.8 5.1	15.1 26.2 6.0	31.2 43.5 23.9
153	LARGE INTESTINE (EXC. RECTUM)	18.4 19.9 16.9						2.4 1.9 2.9	9.9 11.1 8.7	31.9 38.3 26.1	75.2 91.1 62.2	148.3 203.7 115.2
154	RECTUM	3.1 3.2 3.0						.7 .5 1.0	1.6 2.4 .8	6.6 7.5 5.9	10.4 11.5 9.5	25.4 33.1 20.8
157	PANCREAS	11.2 11.3 11.2						1.4 1.4 1.4	6.7 8.7 4.7	23.1 21.5 24.5	45.4 53.4 38.9	87.1 106.2 75.8
160-165	OF RESPIRATORY/INTRATHORACIC ORGANS	62.1 80.4 44.6			.3 .5		.6 .4 .9	8.1 9.5 6.7	50.5 54.6 46.5	182.2 241.2 129.0	295.3 418.9 193.4	305.6 541.4 165.0
162.2-.9	BRONCHUS & LUNG	59.7 77.0 43.1			.3 .5		.2 .4	6.9 8.1 5.8	49.3 52.2 46.5	176.0 231.8 125.6	286.8 407.4 187.4	291.3 513.5 158.8
170-175	OF BONE, CONNECTIVE TISSUE, SKIN & BREAST	23.4 8.1 38.1	2.6 5.2	.6 1.3	.5 1.1		3.5 3.1 3.9	10.5 4.3 16.8	26.4 13.4 39.4	64.7 22.4 102.9	81.9 30.4 124.3	114.4 31.3 164.0
172	MALIGNANT MELANOMA	3.0 4.5 1.5					1.1 1.8 .4	2.4 3.8 1.0	6.3 10.3 2.4	7.5 11.2 4.2	8.5 15.7 2.6	9.8 13.9 7.3
173	OTHER SKIN	.9 1.2 .6					.2 .4		.4 .8	3.1 4.7 1.7	2.8 4.2 1.7	5.9 8.7 4.2
174-175	BREAST	17.3 2.2 33.7					1.5 3.0	7.4 14.9	18.5 37.0	48.8 91.9	62.9 114.0	89.1 141.2
179-187	OF GENITAL ORGANS	24.1 27.0 21.3					1.5 1.3 1.7	2.9 .5 5.3	9.1 2.4 15.8	32.8 23.4 41.3	103.2 127.8 82.9	204.2 351.6 116.3
179-182	CERVIX & UTERUS	4.6 9.0					.4 .9	1.7 3.4	2.4 4.7	6.6 12.6	18.9 34.5	35.1 56.1

TABLE 4-7.

RESIDENT DEATH RATES FOR SELECTED CAUSES BY AGE AND SEX, OREGON, 1987-CONTINUED

	CAUSE OF DEATH	AGE GROUPS										
		TOTAL	< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
183.0	OVARY	5.8					.2	1.0	5.5	15.1	24.1	33.8
	MALE....											
	FEMALE..	11.4					.4	1.9	11.0	28.7	44.0	54.0
185	PROSTATE	12.9							1.2	10.6	55.8	130.7
	MALE....	26.2							2.4	22.4	123.6	349.9
	FEMALE..											
188-189	OF URINARY ORGANS	9.3		.6		.3			5.9	15.1	37.4	77.4
	MALE....	12.7	1.3						9.5	21.5	54.5	137.5
	FEMALE..	6.0				.5			2.4	9.3	23.3	41.5
188	BLADDER	5.1		.6		.3			1.6	5.3	17.0	53.3
	MALE....	7.4		1.3					2.4	10.3	28.3	97.5
	FEMALE..	2.8				.5			.8	.8	7.8	27.0
190-199	OF OTHER & UNSPECIFIED	17.5		.6	.8	1.0	2.8	5.0	15.8	39.5	60.1	112.5
	MALE....	17.1			.5	1.0	3.9	3.3	19.0	48.6	68.1	114.9
	FEMALE..	17.9		1.3	1.1	1.0	1.7	6.7	12.6	31.2	53.5	111.1
191	BRAIN	6.3			.5	.8	1.9	3.3	7.1	16.4	25.6	20.8
	MALE....	7.1				.5	2.6	2.4	11.9	25.2	30.4	19.1
	FEMALE..	5.5			1.1	1.0	1.3	4.3	2.4	8.4	21.6	21.8
200-208	OF LYMPHATIC & HEMATOPOIETIC	19.9		.6	1.1	2.8	3.5	3.8	16.6	35.9	77.1	130.7
	MALE....	21.4	1.3		1.0	4.0	3.1	3.3	21.3	45.8	91.1	163.6
	FEMALE..	18.5			1.1	1.6	3.9	4.3	11.8	27.0	65.6	111.1
204-208	LEUKEMIA	8.1			1.1	2.0	2.8	1.4	7.1	12.4	28.9	52.0
	MALE....	8.7			1.0	3.0	2.6	1.0	7.9	14.0	33.5	73.1
	FEMALE..	7.5			1.1	1.0	3.0	1.9	6.3	11.0	25.0	39.4
204	LYMPHATIC LEUKEMIA	2.5			.3	.8	.4	.2	.8	4.0	8.5	20.2
	MALE....	2.6			.5	1.5	.4	.5	.8	5.6	8.4	24.4
	FEMALE..	2.4					.4		.8	2.5	8.6	17.6
210-229	BENIGN NEOPLASMS	.6						.2	1.6	.9	1.9	3.3
	MALE....	.7						.5	.8		4.2	5.2
	FEMALE..	.5							2.4	1.7	2.1	2.1
230-239	IN SITU, UNCERTAIN BEHAVIOR & UNSPECIFIED NATURE NEOPLASMS	1.5	2.6					.2	.4	.9	4.7	16.9
	MALE....	1.1	5.2					.5	.8	.9	6.3	7.0
	FEMALE..	2.0								.8	3.5	22.8
III.	ENDOCRINE, NUTRITIONAL, AND METABOLIC DISEASES	19.5	2.6	.6	.5	.8	3.7	4.1	10.7	30.6	66.7	160.6
	MALE....	19.2	5.2	1.3	1.0	1.5	5.3	5.2	11.9	29.9	78.5	175.8
	FEMALE..	19.8					2.1	2.9	9.5	31.2	57.0	151.5

TABLE 4-7.

RESIDENT DEATH RATES FOR SELECTED CAUSES BY AGE AND SEX, OREGON, 1987-CONTINUED

CAUSE OF DEATH	I	AGE GROUPS										
		TOTAL	< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
250 DIABETES MELLITUS		14.7				.5	1.5	2.9	7.5	25.7	58.2	113.1
MALE....		14.2				1.0	3.1	3.8	8.7	24.3	68.1	118.4
FEMALE..		15.2						1.9	6.3	27.0	50.1	110.0
RESIDUAL OF 240-279		4.8	2.6	.6	.5	.3	2.2	1.2	3.2	4.9	8.5	47.5
IV. DISEASES OF THE BLOOD & BLOOD-FORMING ORGANS		5.0	5.2	1.3	1.0	.5	2.2	1.4	3.2	5.6	10.5	57.4
MALE....		4.7					2.1	1.0	3.2	4.2	6.9	41.5
FEMALE..		3.1				.5	.6	.5	.4	2.2	6.6	37.1
280-285 ANEMIAS		3.9				1.0	.4	.5	.8	2.8	12.6	57.4
MALE....		2.3					.4	.5		1.7	1.7	24.9
FEMALE..		1.4				.3	.4		.4	.9	1.4	18.9
RESIDUAL OF 280-289		1.7				.5	.2	.5		1.3	5.2	18.2
V. MENTAL DISORDERS		2.3				.3	.4	.5		.9	9.4	31.3
MALE....		1.2				.5				1.7	1.7	10.4
FEMALE..		15.2				.3	1.3	2.4	7.1	18.2	29.8	175.6
291 ALCOHOLIC PSYCHOSIS		13.3				.5	2.2	3.8	11.1	25.2	44.0	139.3
MALE....		17.0					.4	1.0	3.2	11.8	18.1	197.2
FEMALE..		.4						.5	.4	.9	.9	2.0
303 ALCOHOLISM		.5						1.0	.8	1.9	1.0	1.7
MALE....		.2								.9	.9	2.1
FEMALE..		3.2						1.7	6.3	13.3	11.8	5.2
304 DRUG DEPENDENCE		4.9						2.4	10.3	19.6	22.0	8.7
MALE....		1.5						1.0	2.4	7.6	3.5	3.1
FEMALE..		.3					.6	.2		.5	.5	
305 NON-DEPENDENT DRUG ABUSE		.2					1.3	.5				
MALE....		.1									.9	
FEMALE..		.9					.6			2.2	3.8	4.6
RESIDUAL OF 290-319		1.1					.9			2.8	6.3	7.0
VI. DISEASES OF THE NERVOUS SYSTEM & SENSE ORGANS		.6					.4			1.7	1.7	3.1
MALE....		10.6				.3			.4	1.8	12.8	163.9
FEMALE..		6.4				.5			.8	.9	14.7	121.9
290-319		14.6								2.5	11.2	188.9
RESIDUAL OF 290-319		20.9	10.6	3.9	1.9	.8	2.4	3.3	7.1	19.9	47.3	229.5
MALE....		20.0	15.6	3.8	2.1	1.5	2.6	4.8	7.1	20.6	50.3	271.6
FEMALE..		21.7	5.4	3.9	1.6		2.1	1.9	7.1	19.4	44.9	204.5

TABLE 4-7.

RESIDENT DEATH RATES FOR SELECTED CAUSES BY AGE AND SEX, OREGON, 1987-CONTINUED

CAUSE OF DEATH	AGE GROUPS										
	TOTAL	< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
320-322 MENINGITIS											
	MALE...	3	2.6	.6						5	1.3
	FEMALE...	.4	5.2	1.3						1.0	2.1
3310 ALZHEIMER'S DISEASE											
	MALE...	9.3							2.2	18.0	135.3
	FEMALE...	11.3							1.9	19.9	130.6
332 PARKINSON'S DISEASE											
	MALE...	4.1							2.7	9.5	55.3
	FEMALE...	3.1							2.8	11.5	94.0
345 EPILEPSY											
	MALE...	7							2.2	2.4	
	FEMALE...	.9							2.8	3.1	
RESIDUAL OF 320-389											
	MALE...	6.5	7.9	3.2	1.9	.8	2.9	6.7	12.9	17.0	37.7
	FEMALE...	6.6	10.4	2.5	2.1	1.5	3.8	6.3	13.1	14.7	47.0
VII. DISEASES OF THE CIRCULATORY SYSTEM											
	MALE...	401.2	23.8	1.3	1.3	2.3	33.2	136.5	422.9	1094.6	4541.3
	FEMALE...	405.0	25.9	1.0	1.0	2.0	48.5	200.0	616.9	1511.1	4961.2
390-448 MAJOR CARDIOVASCULAR DISEASES											
	MALE...	399.1	18.5	1.3	1.3	2.3	32.3	136.1	420.7	1089.4	4519.9
	FEMALE...	403.2	15.6	1.0	1.0	2.0	47.5	200.0	614.1	1506.9	4938.6
390-398, 402, 404-429 DISEASES OF THE HEART											
	MALE...	295.4	18.5	1.3	1.3	1.8	27.0	114.0	358.2	859.4	3169.9
	FEMALE...	315.5	15.6	1.0	1.0	2.0	42.8	180.3	543.1	1229.4	3586.0
390-398 RHEUMATIC FEVER & CHRONIC RHEUMATIC HEART DISEASE											
	MALE...	2.6							2.2	9.9	21.5
	FEMALE...	1.7							3.7	7.3	13.9
402, 404 HYPERTENSIVE HEART DISEASE WITH OR WITHOUT RENAL DISEASE											
	MALE...	7.5							4.9	14.2	96.9
	FEMALE...	9.9							7.5	9.4	74.9
410-414 ISCHEMIC HEART DISEASE											
	MALE...	220.5	2.6			.3	20.1	90.0	297.4	673.4	2283.7
	FEMALE...	245.8	5.4			.5	32.3	151.8	464.6	973.9	2889.5
410 MYOCARDIAL INFARCTION											
	MALE...	81.2	2.6			.3	7.4	33.9	120.1	276.8	785.5
	FEMALE...	94.5	5.4			.5	12.4	55.3	187.0	593.7	995.7
		68.4					2.4	12.6	59.9	180.4	660.1

TABLE 4-7.

RESIDENT DEATH RATES FOR SELECTED CAUSES BY AGE AND SEX, OREGON, 1987-CONTINUED

CAUSE OF DEATH		AGE GROUPS										
		TOTAL	< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
411	OTHER ACUTE & SUBACUTE ISCHEMIC HEART DISEASE	3 .2 .4							.4 .8			4.6 3.5 5.2
412-414	CHRONIC ISCHEMIC HEART DISEASE	139.0 151.0 127.4										
	MALE....					1.9	12.7	55.6	177.3	396.6	1493.6	
	FEMALE..					3.1	20.0	95.7	277.6	580.1	1690.3	
415-429	ALL OTHER FORMS	64.8 63.1 66.5	15.9 15.6 16.2			.9	5.3	15.8	86.8	245.2	1376.3	
	MALE....											
	FEMALE..											
401,403	HYPERTENSION	4.2 3.6 4.8										
	MALE....											
	FEMALE..											
430-438	CEREBROVASCULAR DISEASE	72.8 58.3 86.7										
	MALE....											
	FEMALE..											
430	SUBARACHNOID HEMORRHAGE	2.9 2.1 3.7										
	MALE....											
	FEMALE..											
431-432	INTRACEREBRAL & INTRACRANIAL HEMORRHAGES	8.1 6.7 9.6										
	MALE....											
	FEMALE..											
434	CEREBRAL THROMBOSIS & EMBOLISM	9.9 7.8 11.9										
	MALE....											
	FEMALE..											
436	ACUTE BUT ILL-DEFINED CEREBROVASCULAR DISEASE	43.3 34.9 51.4										
	MALE....											
	FEMALE..											
437	GENERALIZED ISCHEMIC CEREBROVASCULAR DISEASE	4.9 3.7 6.1										
	MALE....											
	FEMALE..											
440	ARTERIOSCLEROSIS	16.4 13.2 19.4										
	MALE....											
	FEMALE..											
441-448	OTHER DISEASES OF ARTERIES, ARTERIOLES & CAPILLARIES	10.4 12.7 8.2										
	MALE....											
	FEMALE..											

TABLE 4-7.

RESIDENT DEATH RATES FOR SELECTED CAUSES BY AGE AND SEX, OREGON, 1987-CONTINUED

CAUSE OF DEATH		AGE GROUPS											
		TOTAL	< 11	1-41	5-141	15-241	25-341	35-441	45-541	55-641	65-741	75+1	
451-453	VENOUS THROMBOSIS & EMBOLISM MALE.... FEMALE..	1.1 .7 1.5						.5		.9 .9 .8	3.8 3.1 4.3	11.1 8.7 12.5	
RESIDUAL OF CIRCULATORY SYSTEM	OTHER DISEASES OF THE CIRCULATORY SYSTEM	1.0 1.1 .9	5.3 10.4					1.0 1.0	.4 .8	1.3 1.9 .8	1.4 1.0 1.7	10.4 13.9 8.3	
VIII.	DISEASES OF THE RESPIRATORY SYSTEM	82.1 88.9 75.5	7.9 10.4 5.4	.6 1.3	.3 .5	.5 1.0	2.2 2.2 2.1	3.3 4.8 1.9	16.6 16.6 16.5	80.7 98.1 64.9	278.7 356.0 215.0	886.9 1199.4 700.6	
480-487	PNEUMONIA & INFLUENZA	27.6 25.8 29.4	7.9 10.4 5.4	.6 1.3	.3 .5	.3 .5	.2 .4 .5	1.7 2.4 1.0	3.9 4.0 3.9	8.0 14.0 2.5	45.0 67.0 26.8	394.0 430.0 372.6	
480-486	PNEUMONIA	27.0 25.2 28.7	5.3 5.2 5.4	.6 1.3	.3 .5	.3 .5	.2 .4 .5	1.7 2.4 1.0	3.9 4.0 3.9	8.0 14.0 2.5	44.0 66.0 25.9	384.9 421.3 363.3	
487	INFLUENZA	.6 .5 .7	2.6 5.2							.9 1.0 .9	.9 1.0 .9	9.1 8.7 9.3	
490-496	CHRONIC OBSTRUCTIVE PULMONARY DISEASE & ALLIED CONDITIONS	45.8 55.0 37.1					.9 1.3 .4	.5 1.0	9.1 7.9 10.2	63.4 73.8 54.0	213.4 266.0 170.1	396.6 656.3 241.8	
490-491	CHRONIC & UNSPECIFIED BRONCHITIS	1.8 1.6 2.0							.4 .8	2.7 2.8 2.5	7.1 3.1 10.4	17.6 26.1 12.5	
492	EMPHYSEMA	10.9 13.5 8.3					.2 .4 .5	.2 .5	3.6 4.0 3.2	16.0 20.6 11.8	53.9 71.2 39.7	85.2 141.0 51.9	
493	ASTHMA	2.9 2.1 3.6					.6 .9 .4		.8 .8 .8	4.9 4.7 5.1	14.2 9.4 18.1	20.2 19.1 20.8	
494	BRONCHIECTASIS	.5 .5 .6								.9 .9 .8	2.8 2.1 3.5	3.9 5.2 3.1	
495	EXTRINSIC ALLERGIC ALVEOLITIS	.1										1.7	

TABLE 4-7.

RESIDENT DEATH RATES FOR SELECTED CAUSES BY AGE AND SEX, OREGON, 1987-CONTINUED

		AGE GROUPS										
CAUSE OF DEATH		TOTAL	< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
496	CHRONIC AIRWAY OBSTRUCTION NOT ELSEWHERE CLASSIFIED (COPD)	29.7						.2	4.3	39.0	135.3	269.2
	MALE....	37.2						.5	3.2	44.9	180.1	463.0
	FEMALE..	22.5							5.5	33.7	98.4	153.6
RESIDUAL OF 460-519	OTHER DISEASES OF THE RESPIRATORY SYSTEM	8.6					1.1	1.2	3.6	9.3	20.3	96.2
	MALE....	8.2					.4	1.4	4.7	10.3	23.0	113.1
	FEMALE..	9.0					1.7	1.0	2.4	8.4	18.1	86.2
IX. DISEASES OF THE DIGESTIVE SYSTEM												
	MALE....	28.6		.6	.3	.8	2.6	8.1	22.1	52.8	84.7	236.7
	FEMALE..	28.0	1.3	1.3	.5	1.0	2.6	11.4	24.5	64.5	105.8	235.0
		29.1				.5	2.6	4.8	19.7	42.2	67.3	237.7
531	ULCER OF THE STOMACH	.9						.2	.4	1.3	1.4	9.8
	MALE....	.4						.5		1.9	.8	3.5
	FEMALE..	1.3							.8		2.6	13.5
532	ULCER OF THE DUODENUM	.7							.4	.4	2.4	8.5
	MALE....	.6									2.1	10.4
	FEMALE..	.9						.8	.8		2.6	7.3
533	PEPTIC ULCER	1.4								.9	3.8	18.2
	MALE....	1.5								.9	6.3	22.6
	FEMALE..	1.3							.8		1.7	15.6
550-553, 560	HERNIA & INTESTINAL OBSTRUCTION	2.2						.2	2.2	2.2	4.3	26.0
	MALE....	2.2						.5	1.9	1.9	7.3	27.9
	FEMALE..	2.3	1.6	1.3	.3	.5	.4		2.5	2.5	1.7	24.9
571	CIRRHOSIS OF THE LIVER	9.4										
	MALE....	12.1					1.5	6.2	16.2	32.8	30.3	26.0
	FEMALE..	6.8					1.8	9.0	18.2	45.8	46.1	34.8
							1.3	3.4	14.2	21.1	17.3	20.8
571.0-.3	ALCOHOLIC CIRRHOSIS OF THE LIVER	7.6										
	MALE....	10.5					1.3	4.8	15.4	29.7	23.7	15.0
	FEMALE..	4.8					1.3	7.1	18.2	43.0	36.7	29.6
							1.3	2.4	12.6	17.7	13.0	6.2
574-576	DISEASES OF THE GALLBLADDER	1.4										
	MALE....	1.4							.4	2.2	3.3	15.6
	FEMALE..	1.5						1.0	.8	.9	2.1	20.9
									3.4	3.4	4.3	12.5
577	DISEASES OF THE PANCREAS	.7										
	MALE....	1.0										
	FEMALE..	.5							1.6	2.2	2.4	4.6
										1.7	.9	5.2
RESIDUAL OF 520-579	OTHER DISEASES OF THE DIGESTIVE SYSTEM	11.7					.4	1.0	3.9	10.6	36.9	128.1
	MALE....	8.9						.5	4.0	10.3	37.7	109.7
	FEMALE..	14.5					.9	1.4	3.9	11.0	36.3	139.1

TABLE 4-7.

RESIDENT DEATH RATES FOR SELECTED CAUSES BY AGE AND SEX, OREGON, 1987-CONTINUED

CAUSE OF DEATH		AGE GROUPS										
		TOTAL	< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
X. DISEASES OF THE GENITOURINARY SYSTEM	MALE... FEMALE..	10.3 8.8 11.7						.4 .9	2.0 2.4 1.6	5.8 4.7 6.7	21.8 25.1 19.0	135.3 141.0 131.8
580-589 NEPHRITIS & NEPHROSIS	MALE... FEMALE..	4.1 3.9 4.3						.2 .4	1.2 1.6 .8	2.7 1.9 3.4	11.4 13.6 9.5	50.1 59.2 44.6
590 INFECTIONS OF THE KIDNEY	MALE... FEMALE..	1.0 .5 1.5						.2 .5	.4 .8 .8	.9 .9 .8	.5 .9 .9	13.7 7.0 17.6
600-608 DISEASES OF MALE GENITAL ORGANS	MALE... FEMALE..	.4 .8								.9 2.1	.9 2.1	5.9 15.7
614-629 DISEASES OF THE UTERUS & OTHER FEMALE GENITAL ORGANS	MALE... FEMALE..	.1 .3						.2 .5		.5 .9	.5 .9	1.3 2.1
RESIDUAL OF 580-629	MALE... FEMALE..	4.6 3.6 5.7						.2 .4	.4 .8	2.2 1.9 2.5	8.5 9.4 7.8	64.4 59.2 67.5
XI. COMPLICATIONS OF PREGNANCY, CHILDBIRTH, & THE PUERPERIUM	MALE... FEMALE..	.1 .1				.5 1.0						
XII. DISEASES OF THE SKIN & SUBCUTANEOUS TISSUE	MALE... FEMALE..	.8 .5 1.0								.9 .9 .8	2.4 3.1 1.7	9.1 5.2 11.4
XIII. MUSCULOSKELETAL SYSTEM & CONNECTIVE TISSUE DISEASES	MALE... FEMALE..	2.7 1.5 3.8				.3 .5			.8 1.6 1.0	4.9 6.5 3.4	9.5 3.1 14.7	22.1 10.4 29.1
XIV. CONGENITAL ANOMALIES	MALE... FEMALE..	5.3 5.8 4.8	219.7 223.1 216.1	8.4 11.4 5.3	1.9 3.1 .5	.8 1.0 .5	1.7 1.8 1.7	1.4 2.4 .5	2.4 2.4 2.4	1.3 1.3 1.7	2.8 1.0 4.3	4.6 3.5 5.2
745-746 CONGENITAL ANOMALIES OF THE HEART	MALE... FEMALE..	2.0 2.2 1.8	63.5 62.3 64.8	5.2 5.1 5.3	1.1 2.1	.8 1.0 .5	1.1 .9 1.3	.5 1.0 .5	1.2 1.6 .8	.4 .9 .9	.5 .9 .9	1.3 2.1 2.1
RESIDUAL OF 740-759	MALE... FEMALE..	3.3 3.6 3.1	156.2 160.8 151.3	3.2 6.3 5.5	.8 1.0 .5		.6 .9 .4	1.0 1.4 .5	1.2 .8 1.6	.9 1.7	2.4 1.0 3.5	3.3 3.5 3.1

TABLE 4-7.

RESIDENT DEATH RATES FOR SELECTED CAUSES BY AGE AND SEX, OREGON, 1987-CONTINUED

CAUSE OF DEATH	AGE GROUPS											
	TOTAL	< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	
XV. CERTAIN CAUSES OF MORTALITY IN 760-779 EARLY INFANCY	5.9 7.6 4.4	423.5 518.8 324.2										
MALE....												
FEMALE..												
XVI. SYMPTOMS & ILL-DEFINED CONDITIONS	16.4 18.3 14.5	312.3 409.9 210.7	.6 1.3	.3 .5	.5 .5 .5	.6 .9 .4	1.9 2.9 1.0	3.9 2.4 5.5	17.3 26.2 9.3	44.5 59.7 31.9	106.6 113.1 102.8	
MALE....												
FEMALE..												
797 SENILITY	.3 .1 .4										4.6 1.7 6.2	
MALE....												
FEMALE..												
798.0 SUDDEN INFANT DEATH SYNDROME	4.3 5.8 2.8	304.4 399.5 205.3										
MALE....												
FEMALE..												
RESIDUAL OF 780-799	11.8 12.4 11.3	7.9 10.4 5.4	.6 1.3	.3 .5	.5 .5 .5	.6 .9 .4	1.9 2.9 1.0	3.9 2.4 5.5	17.3 26.2 9.3	44.5 59.7 31.9	102.1 111.4 96.5	
MALE....												
FEMALE..												
XVII. ACCIDENTS, POISONING, & VIOLENCE	67.1 100.2 35.2	47.6 62.3 32.4	29.0 40.5 17.1	16.7 24.3 8.7	87.9 139.6 33.7	74.3 119.9 29.6	60.0 89.4 30.3	62.0 87.8 36.2	62.5 98.1 30.4	75.7 120.4 38.9	182.1 271.6 128.7	
MALE....												
FEMALE..												
800-949 ACCIDENTS	44.1 63.3 25.5	31.8 41.5 21.6	25.2 36.7 13.2	14.3 21.2 7.0	64.1 103.4 22.8	41.2 67.4 15.4	33.9 50.9 16.8	35.5 49.0 22.1	39.9 59.8 21.9	43.1 59.7 29.4	145.7 181.0 124.6	
MALE....												
FEMALE..												
810-825 MOTOR VEHICLE ACCIDENTS	23.9 34.6 13.5	10.6 15.6 5.4	8.4 11.4 5.3	8.2 10.9 5.4	50.9 79.7 20.7	26.6 40.7 12.9	20.3 26.6 13.9	21.7 26.9 16.5	16.4 25.2 8.4	18.9 24.1 14.7	34.5 52.2 23.9	
MALE....												
FEMALE..												
830-838 WATER TRANSPORT ACCIDENTS	1.1 2.1 .1				1.8 3.0 .5	1.5 3.1	1.4 2.9	1.2 2.4	1.3 1.9 .8	.9 2.1	1.3 3.5	
MALE....												
FEMALE..												
840-845 AIR TRANSPORT ACCIDENTS	.7 1.1 .2				.9 1.8 .5	.9 1.8	1.0 1.4	.8 .8	1.8 2.8 .8	1.9 4.2	1.3	
MALE....												
FEMALE..												
850-869 POISONING ACCIDENTS	1.7 2.5 .9				1.8 3.5	2.8 4.8 .9	3.1 4.8 1.4	2.4 3.2 1.6	1.8 .9 2.5	.5 .9	1.3 2.1	
MALE....												
FEMALE..												
800-888 ACCIDENTAL FALLS	6.2 5.9 6.5	2.6 5.2		.3 .5	.3 .5	.4 .9	.7 1.4	1.6 1.6 1.6	6.6 9.3 4.2	9.5 9.4 9.5	78.0 85.3 73.7	
MALE....												
FEMALE..												

TABLE 4-7.

RESIDENT DEATH RATES FOR SELECTED CAUSES BY AGE AND SEX, OREGON, 1987-CONTINUED

CAUSE OF DEATH	AGE GROUPS										
	TOTAL	< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
890-899 FIRE & FLAME ACCIDENTS	1.5		3.2	1.3	1.0	1.7	.7	.8	1.8	1.9	3.3
MALE....	2.3		5.1	2.1	2.0	3.5	1.0	1.6	1.9	3.1	3.5
FEMALE..	.7		1.3	.5			.5		1.7	.9	3.1
910 DROWNING & SUBMERSION	3.1	5.3	10.3	2.4	5.3	3.2	1.7	2.4	1.8	.9	1.3
MALE....	5.4	10.4	15.2	4.1	9.4	5.3	2.9	4.7	3.7	2.1	2.1
FEMALE..	.9		5.3	.5	1.0	1.3	.5				
950-959 SUICIDES	14.9			.3	14.4	18.0	17.4	15.0	17.7	27.0	33.2
MALE....	24.8			.5	23.8	29.3	26.1	21.3	30.8	50.3	83.6
FEMALE..	5.3				4.7	6.9	8.7	8.7	5.9	7.8	3.1
960-978 HOMICIDES	6.1	13.2	3.9	1.9	6.3	11.0	5.3	9.9	4.0	4.7	2.6
MALE....	8.6	15.6	3.8	2.1	7.4	15.8	6.7	15.0	6.5	9.4	5.2
FEMALE..	3.7	10.8	3.9	1.6	5.2	6.4	3.8	4.7	1.7	.9	1.0
980-989 INJURIES UNDETERMINED ACCIDENTALLY OR PURPOSELY INFLICTED	2.0	2.6		.3	3.0	4.1	3.3	1.6	.9	.9	
MALE....	3.5	5.2		.5	4.9	7.4	5.7	2.4	.9	1.0	
FEMALE..	.7				1.0	.9	1.0	.8	.8	.9	
990-999 INJURY RESULTING FROM OPERATIONS OF WAR	.1										.7
MALE....											1.7
FEMALE..											

TABLE 4-8. DEATHS DUE TO EXTERNAL FACTORS, OREGON RESIDENTS, 1987

METHOD OF DEATH	TOTAL		ACCIDENTS		SUICIDES		HOMICIDES		LEGAL INTER-VENTION		UNDETER-MINED	
	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%
TOTAL.....	1,804	100	1,185	66	400	22	157	9	7	0	55	3
FIREARMS.....	348	100	15	4	250	72	70	20	6	2	7	2
HANGING AND SUFFOCATION..	94	100	36	38	42	45	15	16	-	-	1	1
DROWNING AND BOATING.....	119	100	110	92	6	5	1	1	-	-	2	2
INGESTION OF SUBSTANCE.	169	100	47	28	89	53	-	-	-	-	33	20
CUTTING AND PIERCING.....	35	100	-	-	4	11	31	89	-	-	-	-
FALLS AND JUMPING.....	173	100	167	97	4	2	-	-	-	-	2	1
MOTOR VEHICLES.	647	100	645	100	2	0	-	-	-	-	-	-
OTHER.....	219	100	165	75	3	1	40	18	1	0	10	5

TABLE 4-9. RESIDENT DEATHS FROM SUICIDE, HOMICIDE, LEGAL INTERVENTION, AND EXTERNAL CAUSES
UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLECTED, BY AGE, SEX, AND METHOD,
OREGON, 1987

METHOD OF DEATH	TOTAL DEATHS	AGE AND SEX GROUPS																	
		TOTAL		< 15		15-24		25-34		35-44		45-54		55-64		65-74		75+	
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F		
SUICIDE.....	400	327	73	1	-	48	9	67	16	55	18	27	11	33	7	48	9	48	3
ALL POISONING.....	89	55	34	-	-	7	3	14	7	12	9	8	6	6	3	4	5	4	1
MEDICATIONS.....	36	13	23	-	-	-	2	3	3	1	9	3	4	3	2	1	3	2	-
AUTO EXHAUST....	48	38	10	-	-	7	1	10	4	10	-	4	1	3	1	2	2	2	1
OTHER GAS.....	1	1	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
OTHER.....	4	3	1	-	-	-	-	1	-	1	-	1	-	1	-	1	-	-	-
HANGING.....	37	33	4	1	-	10	-	13	2	4	-	-	2	1	-	3	-	1	-
SUFFOCATION BY																			
PLASTIC BAG.....	5	4	1	-	-	-	-	1	1	1	-	-	1	-	2	-	-	-	-
DROWNING.....	6	4	2	-	-	-	-	-	1	1	-	-	1	-	1	1	1	1	-
ALL FIREARMS.....	250	220	30	-	-	30	6	38	6	33	7	18	3	24	3	36	3	41	2
HANDGUNS.....	145	124	21	-	-	12	4	21	5	20	6	11	2	12	2	18	1	30	1
SHOTGUNS.....	33	29	4	-	-	6	1	7	-	4	-	1	-	3	1	4	2	4	-
RIFLES.....	68	64	4	-	-	10	1	10	1	9	1	5	-	9	-	14	-	7	1
OTHER AND																			
UNSPECIFIED.....	4	3	1	-	-	2	-	-	-	-	-	1	1	-	-	-	-	-	-
CUTTING AND																			
PIERCING.....	4	4	-	-	-	-	-	-	-	2	-	-	-	-	-	1	-	1	-
JUMPING FROM HIGH																			
PLACES.....	4	4	-	-	-	1	-	-	-	2	-	-	-	-	-	1	-	-	-
OTHER.....	5	3	2	-	-	-	-	2	-	-	1	1	-	-	1	-	-	-	-
HOMICIDE.....	157	106	51	9	8	14	10	34	15	13	8	17	6	7	2	9	1	3	1
STRANGULATION																			
AND HANGING.....	15	5	10	-	1	1	-	1	4	1	3	1	1	-	1	1	-	-	-
DROWNING.....	1	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ALL FIREARMS.....	70	53	17	2	1	12	3	15	5	6	2	8	3	5	1	4	1	1	1
HANDGUNS.....	20	15	5	1	-	2	1	4	1	3	1	2	1	1	1	2	-	-	-
SHOTGUNS.....	9	5	4	-	1	1	1	1	2	1	-	1	-	-	-	-	-	1	-
RIFLES.....	6	4	2	-	-	1	1	-	1	-	-	3	-	-	-	-	-	-	-
OTHER AND																			
UNSPECIFIED.....	35	29	6	1	-	8	-	10	1	2	1	2	2	4	-	2	1	-	1
CUTTING AND																			
PIERCING.....	31	24	7	2	1	1	3	13	1	3	1	2	1	1	-	2	-	-	-
CHILD BATTERING...	5	3	2	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER.....	35	21	14	2	2	-	4	5	5	3	2	6	1	1	-	2	-	2	-
LEGAL INTERVENTION..	7	7	-	1	-	1	-	2	-	1	-	2	-	-	-	-	-	-	-
FIREARMS.....	6	6	-	1	-	1	-	2	-	1	-	1	-	-	-	-	-	-	-
OTHER.....	1	1	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
UNDETERMINED WHETHER																			
ACCIDENTALLY OR																			
PURPOSELY INFLECTED.	55	46	9	2	-	10	2	17	2	12	2	3	1	1	1	1	1	-	-
ALL POISONING.....	33	29	4	-	-	5	-	12	1	10	1	2	-	-	1	-	1	-	-
MEDICATIONS.....	28	24	4	-	-	4	-	10	1	9	1	1	-	-	1	-	1	-	-
AUTO EXHAUST....	2	2	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-
OTHER.....	3	3	-	-	-	-	-	1	-	1	-	1	-	-	-	-	-	-	-
DROWNING.....	2	2	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-
FIREARMS.....	7	6	1	-	-	2	1	2	-	1	-	1	-	-	-	-	-	-	-
OTHER.....	13	9	4	2	-	3	1	1	1	1	1	-	1	1	-	1	-	-	-

TABLE 4-11. DEATHS OCCURRING IN OREGON BY TYPE OF ACCIDENT AND AGE GROUPS,
1987

TYPE OF ACCIDENT	TOTAL DEATHS	RATE	AGE GROUPS						
			< 1	1-4	5-14	15-24	25-44	45-64	65+
TOTAL.....	1,181	43.9	12	40	55	264	325	184	301
WORK ACCIDENTS.....	47	1.7	-	-	-	6	21	17	3
LOGGING.....	21	.8	-	-	-	3	11	6	1
AGRICULTURE.....	7	.3	-	-	-	1	4	1	1
MINING.....	1	.0	-	-	-	-	1	-	-
CONSTRUCTION.....	3	.1	-	-	-	-	-	2	1
MANUFACTURING.....	8	.3	-	-	-	1	2	5	-
TRADE.....	1	.0	-	-	-	-	1	-	-
SERVICE.....	3	.1	-	-	-	-	1	2	-
OTHER AND UNSPECIFIED...	3	.1	-	-	-	1	1	1	-
HOME ACCIDENTS.....	233	8.7	7	15	11	11	34	28	127
POISONING, SOLID, LIQUID	24	.9	-	-	-	2	14	6	2
POISONING, GAS.....	7	.3	-	-	-	2	2	2	1
FALLS.....	101	3.8	1	-	1	1	1	7	90
FIRES.....	36	1.3	-	4	5	4	8	6	9
DROWNING.....	16	.6	3	7	1	1	2	-	2
SUFFOCATION, INGESTION..	13	.5	-	-	-	-	2	3	8
SUFFOCATION, MECHANICAL	10	.4	2	1	2	1	2	1	1
FIREARMS.....	6	.2	-	2	2	-	1	1	-
OTHER AND UNSPECIFIED...	20	.7	1	1	-	-	2	2	14
MOTOR VEHICLE.....	666	24.8	4	16	33	214	215	95	89
INJURY TO PEDESTRIAN...	83	3.1	-	5	11	10	20	15	22
INJURY TO PEDAL CYCLIST.	17	.6	-	-	4	7	4	1	1
COLLISION WITH TRAIN....	3	.1	-	-	-	2	1	-	-
COLLISION WITH OTHER									
MOTOR VEHICLE.....	287	10.7	1	6	10	90	83	49	48
COLLISION WITH FIXED									
OBJECT.....	98	3.6	-	1	3	35	39	13	7
NON-COLLISION (LOSS OF									
CONTROL).....	163	6.1	3	4	5	67	60	15	9
OTHER AND UNSPECIFIED...	15	.6	-	-	-	3	8	2	2
PUBLIC ACCIDENT.....	197	7.3	1	9	11	33	50	42	51
RAILWAY TRANSPORTATION..	4	.1	-	-	-	1	3	-	-
OTHER TRANSPORTATION....	4	.1	-	-	1	-	1	2	-
WATER TRANSPORTATION....	27	1.0	-	-	-	6	11	9	1
AIR TRANSPORTATION.....	19	.7	-	-	-	2	8	8	1
FALLS.....	36	1.3	-	-	-	1	4	7	24
FIRES.....	2	.1	-	1	-	-	1	-	-
DROWNING.....	56	2.1	-	8	7	18	14	7	2
FIREARMS.....	7	.3	-	-	2	2	1	2	-
OTHER AND UNSPECIFIED...	42	1.6	1	-	1	3	7	7	23
UNCLASSIFIED.....	38	1.4	-	-	-	-	5	2	31

NOTE: RATES PER 100,000 POPULATION

TABLE 4-12. RESIDENT INFANT DEATHS BY CAUSE AND AGE AT DEATH, OREGON, 1987

CAUSE OF DEATH	AGE GROUPS					
	TOTAL DEATHS	UNDER 1 DAY	1-6 DAYS	7-27 DAYS	ALL NEONATES	POST-NEONATES
TOTAL.....	402	118	58	37	213	189
RATE	10.4	3.1	1.5	1.0	5.5	4.9
CERTAIN CAUSES OF MORTALITY IN EARLY INFANCY.....	160	88	35	17	140	20
CONDITIONS OF PLACENTA AND CORD.....	9	9	-	-	9	-
IMMATURITY, UNQUALIFIED..	38	28	6	2	36	2
BIRTH TRAUMA WITHOUT MENTION OF CAUSE.....	2	-	2	-	2	-
ANOXIC AND HYPOXIC CONDITIONS.....	10	4	6	-	10	-
RESPIRATORY DISTRESS SYNDROME.....	20	4	9	4	17	3
OTHER RESPIRATORY CONDITIONS.....	30	10	3	5	18	12
OTHER COMPLICATIONS OF PREGNANCY & DELIVERY...	17	17	-	-	17	-
ALL OTHER.....	34	16	9	6	31	3
OTHER DISEASES.....	224	30	23	17	70	154
CONGENITAL ANOMALIES.....	83	30	19	11	60	23
DISEASES OF NERVOUS SYSTEM.....	4	-	-	1	1	3
PNEUMONIA OR INFLUENZA...	3	-	-	-	-	3
RESPIRATORY DISTRESS.....	-	-	-	-	-	-
SUDDEN INFANT DEATH SYNDROME.....	115	-	1	4	5	110
ALL OTHER DISEASES.....	19	-	3	1	4	15
VIOLENT AND ACCIDENTAL CAUSES.....	18	-	-	3	3	15
MOTOR VEHICLE.....	4	-	-	-	-	4
OTHER ACCIDENTAL CAUSES..	8	-	-	2	2	6
HOMICIDE.....	5	-	-	-	-	5
OTHER EXTERNAL CAUSES....	1	-	-	1	1	-

NOTE: RATES PER 1,000 LIVE BIRTHS.
NEONATES ARE INFANTS IN THE FIRST 27 DAYS OF LIFE.
POST-NEONATES ARE 28 DAYS UP TO ONE YEAR OF AGE.

TABLE 4-13. INFANT DEATHS BY COUNTY OF RESIDENCE AND AGE AT TIME OF DEATH, OREGON, 1987

COUNTY OF RESIDENCE	TOTAL INFANT DEATHS	INFANT DEATH RATE 1/ MM/	AGE UNDER 28 DAYS NEONATAL DEATHS				NEONATAL RATE 1/	POST- NEONATAL DEATHS	POST- NEONATAL RATE 1/
			TOTAL NEO- NATAL	< 1 DAY	1-6 DAYS	7-27 DAYS			
TOTAL	402	10.4	213	118	58	37	59.4	189	51.7
BAKER	-	-	-	-	-	-	-	-	-
BENTON	5	5.7	5	3	1	1	5.7	-	.0
CLACKAMAS	33	10.0	22	9	9	4	7.0	11	3.0
CLATSOP	4	9.0	1	1	-	-	2.2	3	6.7
COLUMBIA	6	12.8	3	2	-	1	6.4	3	6.4
COOS	7	9.3	4	2	1	1	5.3	3	4.0
CROOK	3	17.1	2	2	-	-	11.4	1	5.7
CURRY	5	21.5	3	2	-	1	12.9	2	8.6
DESCHUTES	11	11.7	4	3	1	-	4.2	7	7.4
DOUGLAS	11	8.1	6	3	3	-	4.4	5	3.7
GILLIAM	-	-	-	-	-	-	-	-	-
GRANT	2	18.0	2	-	-	2	18.0	-	.0
HARNEY	2	19.6	-	-	-	-	.0	2	19.6
HOOD RIVER	-	-	-	-	-	-	-	-	-
JACKSON	12	6.4	5	2	2	1	2.7	7	3.7
JEFFERSON	6	22.1	3	2	1	-	11.0	3	11.0
JOSEPHINE	10	12.5	7	3	2	2	8.7	3	3.7
KLAMATH	9	10.6	5	4	-	1	5.9	4	4.7
LAKE	1	9.1	-	-	-	-	.0	1	9.1
LANE	36	9.6	21	10	8	3	5.6	15	4.0
LINCOLN	3	6.4	3	3	-	-	6.4	-	.0
LINN	20	16.0	9	5	2	2	7.2	11	8.8
MALHEUR	5	11.6	3	3	-	-	7.0	2	4.6
MARION	39	11.8	17	8	5	4	5.4	22	6.3
MORROW	1	7.9	1	1	-	-	7.9	-	.0
MULTNOMAH	88	10.4	40	19	13	8	4.7	48	5.7
POLK	6	9.2	2	2	-	-	3.1	4	6.1
SHERMAN	-	-	-	-	-	-	-	-	-
TILLAMOOK	6	29.4	2	2	-	-	9.8	4	19.6
UMATILLA	11	11.7	7	5	2	-	7.4	4	4.3
UNION	3	9.7	-	-	-	-	.0	3	9.7
WALLOWA	1	13.3	1	1	-	-	13.3	-	.0
WASCO	1	3.4	1	1	-	-	3.4	-	.0
WASHINGTON	46	10.5	26	16	6	4	5.9	20	4.6
WHEELER	-	-	-	-	-	-	-	-	-
YAMHILL	9	10.7	8	4	2	2	9.5	1	1.2

- QUANTITY IS ZERO

1/ RATES PER 1,000 BIRTHS

NOTE: NO RATES WERE SIGNIFICANTLY HIGHER OR LOWER THAN THE STATE RATE.

TABLE 4-14. DEATHS BY COUNTY OF RESIDENCE, AGE AND SEX, OREGON, 1987

COUNTY OF RESIDENCE	Total	SEX AND AGE GROUPS									
		TOTAL		UNDER 1		1-4		5-14		15-24	
		MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
TOTAL.....	24,181	12,680	11,501	250	152	52	24	66	32	315	91
BAKER.....	169	87	82	-	-	-	-	-	1	2	2
BENTON.....	402	203	199	2	3	1	2	2	-	4	4
CLACKAMAS..	2,000	1,017	983	23	10	3	4	7	3	29	6
CLATSOP....	308	155	153	4	-	-	-	-	-	2	1
COLUMBIA....	323	165	158	4	2	-	-	1	-	2	2
COOS.....	605	361	244	3	4	-	2	1	2	6	1
CROOK.....	134	76	58	1	2	1	-	2	-	3	-
CURRY.....	197	120	77	4	1	-	-	1	-	4	1
DESCHUTES..	542	294	248	7	4	1	2	2	3	10	6
DOUGLAS....	887	472	415	7	4	1	1	2	-	11	2
GILLIAM....	14	8	6	-	-	-	-	-	-	-	-
GRANT.....	53	34	19	1	1	-	-	-	-	2	-
HARNEY.....	74	43	31	1	1	-	-	-	1	2	-
HOOD RIVER..	152	60	92	-	-	3	-	-	-	-	-
JACKSON....	1,334	728	606	9	3	-	-	4	1	16	3
JEFFERSON..	114	61	53	3	3	-	-	1	-	2	1
JOSEPHINE..	702	369	333	4	6	2	1	1	-	4	3
KLAMATH....	493	281	212	6	3	2	1	2	-	10	4
LAKE.....	63	36	27	1	-	-	-	-	-	1	-
LANE.....	2,249	1,211	1,038	18	18	2	2	2	5	39	9
LINCOLN....	430	233	197	2	1	1	-	-	-	6	-
LINN.....	813	416	397	11	9	3	3	5	2	13	2
MALHEUR....	240	135	105	4	1	-	-	-	-	4	1
MARION....	1,994	1,042	952	23	16	8	1	6	1	31	8
MORROW.....	64	36	28	1	-	-	-	1	-	-	-
MULTNOMAH..	5,743	2,892	2,851	59	29	12	2	17	7	61	23
POLK.....	405	233	172	4	2	1	-	-	2	5	-
SHERMAN....	7	3	4	-	-	-	-	-	-	-	-
TILLAMOOK..	261	145	116	4	2	-	-	1	-	2	2
UMATILLA...	538	297	241	8	3	3	1	-	1	3	2
UNION.....	188	99	89	1	2	-	-	-	-	3	2
WALLOWA....	49	25	24	1	-	1	-	-	-	-	-
WASCO.....	250	129	121	-	1	-	-	1	-	3	2
WASHINGTON.	1,873	949	924	27	19	7	1	7	1	30	4
WHEELER....	15	6	9	-	-	-	-	-	-	-	-
YAMHILL....	496	259	237	7	2	-	1	-	2	5	-

- QUANTITY IS ZERO

TABLE 4-14. DEATHS, 1987 CONTINUED

COUNTY OF RESIDENCE	SEX AND AGE GROUPS											
	25-34		35-44		45-54		55-64		65-74		75+	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
TOTAL.....	413	138	455	233	693	418	1,652	1,077	3,309	2,301	5,475	7,035
BAKER.....	1	-	3	-	3	3	8	9	25	19	45	48
BENTON.....	3	2	7	5	12	7	31	14	45	33	96	129
CLACKAMAS...	34	11	26	28	72	40	142	86	257	172	424	623
CLATSOP....	6	1	4	3	9	8	21	22	46	34	63	84
COLUMBIA....	4	3	9	5	16	5	22	16	36	38	71	87
COOS.....	9	1	15	6	20	9	39	29	111	66	157	124
CROOK.....	1	1	-	-	4	3	9	2	18	9	37	41
CURRY.....	1	2	3	2	3	2	17	6	38	17	49	46
DESCHUTES..	7	6	7	6	22	10	30	32	87	54	121	125
DOUGLAS....	19	4	22	6	24	18	68	52	129	93	189	235
GILLIAM....	-	-	1	-	1	-	1	1	3	2	2	3
GRANT.....	1	-	-	1	2	2	5	1	6	4	17	10
HARNEY.....	1	-	1	-	2	1	6	3	14	5	16	20
HOOD RIVER..	2	1	-	-	1	3	4	4	22	14	28	70
JACKSON....	18	5	30	11	34	24	88	50	192	124	337	385
JEFFERSON..	3	2	1	2	6	3	9	11	10	10	26	21
JOSEPHINE..	6	2	5	3	15	15	58	31	120	66	154	206
KLAMATH....	8	5	11	5	8	4	37	30	71	53	126	107
LAKE.....	1	-	1	1	2	2	5	6	7	9	18	9
LANE.....	39	6	44	26	71	31	162	102	316	211	518	628
LINCOLN....	6	4	7	3	16	6	42	11	60	57	93	115
LINN.....	11	2	12	8	7	9	57	41	111	79	186	242
MALHEUR....	2	-	6	-	11	3	10	8	45	18	53	74
MARION.....	30	11	34	14	56	26	116	86	237	193	501	596
MORROW.....	2	1	-	-	-	1	5	1	8	6	19	19
MULTNOMAH..	133	44	131	56	170	112	367	231	752	546	1,190	1,801
POLK.....	11	2	11	2	7	2	31	9	58	26	105	127
SHERMAN....	-	-	-	-	-	-	-	2	-	1	3	1
TILLAMOOK..	1	-	6	4	3	2	25	14	42	19	61	73
UMATILLA...	9	3	10	6	18	8	39	25	75	52	132	140
UNION.....	2	1	7	2	2	3	12	8	23	15	49	56
WALLOWA....	-	-	-	-	-	1	-	1	9	4	14	18
WASCO.....	2	-	4	4	5	3	24	14	30	23	60	74
WASHINGTON.	32	16	32	20	61	46	129	93	227	178	397	546
WHEELER....	-	-	-	-	-	-	-	2	1	2	5	5
YAMHILL....	8	2	5	4	10	6	33	24	78	49	113	147

- QUANTITY IS ZERO

TABLE 4-15. LEADING CAUSES OF DEATH BY COUNTY OF RESIDENCE OF DECEASED, OREGON, 1987

COUNTY OF RESIDENCE	TOTAL	DISEASES OF THE HEART	MALIGNANT NEOPLASMS	CEREBROVASCULAR DISEASE	BRONCHITIS, EMPHYSEMA, ASTHMA & CHRONIC OBSTRUCTIVE PULMONARY DISEASE	ACCIDENTS	SUICIDE	INFLUENZA & PNEUMONIA	ARTERIOSCLEROSIS	DIABETES MELLITUS
TOTAL.....	24,181	7,936	5,594	1,958	1,233	1,185	400	743	440	395
RATE 1/.....	898.9	295.0	208.0	72.8	45.8	44.1	14.9	27.6	16.4	14.7
BAKER.....	169	55	29	16	19	6	5	5	4	2
BENTON.....	402	135	89	29	27	22	8	12	6	8
CLACKAMAS..	2,000	720	450	160	98	95	31	59	33	25
CLATSOP....	308	92	92	23	12	10	3	11	5	2
COLUMBIA....	323	114	80	25	18	19	2	7	4	4
COOS.....	605	195	148	53	38	29	5	13	7	14
CROOK.....	134	38	38	3	6	4	4	2	9	5
CURRY.....	197	66	41	11	11	11	7	4	4	6
DESCHUTES..	542	160	147	43	24	35	16	15	13	4
DOUGLAS....	887	265	208	70	45	52	16	27	9	29
GILLIAM....	14	4	2	1	1	2	-	1	-	-
GRANT.....	53	20	11	3	-	8	3	1	-	1
HARNEY.....	74	26	14	1	8	5	1	2	-	5
HOOD RIVER..	152	47	38	18	7	6	1	-	1	4
JACKSON....	1,334	446	329	108	67	51	23	37	12	21
JEFFERSON..	114	33	23	9	8	12	3	2	3	1
JOSEPHINE..	702	221	175	55	33	38	9	23	9	8
KLAMATH....	493	144	104	42	25	37	5	19	9	10
LAKE.....	63	21	15	6	4	2	3	2	-	-
LANE.....	2,249	709	512	181	132	100	45	59	56	60
LINCOLN....	430	145	107	32	24	21	7	8	9	8
LINN.....	813	281	165	61	35	58	11	33	18	17
MALHEUR....	240	87	51	21	11	11	7	5	5	6
MARION.....	1,994	710	444	155	87	104	21	63	30	28
MORROW.....	64	27	13	1	2	5	-	1	2	-
MULTNOMAH..	5,743	1,825	1,273	492	284	231	101	201	136	78
POLK.....	405	158	89	31	12	23	4	11	14	5
SHERMAN....	7	2	3	1	-	-	-	-	-	-
TILLAMOOK..	261	87	64	14	11	13	3	8	4	5
UMATILLA...	538	199	127	43	22	35	4	10	3	5
UNION.....	188	58	42	17	12	15	2	10	2	1
WALLOWA....	49	21	8	3	2	1	-	6	-	-
WASCO.....	250	95	63	16	18	8	5	20	-	-
WASHINGTON.	1,873	570	485	154	103	90	36	54	27	29
WHEELER....	15	2	3	5	2	1	-	1	-	-
YAMHILL....	496	158	112	55	25	25	9	11	6	4

- QUANTITY IS ZERO 1/RATES PER 100,000 POPULATION

TABLE 4-15. LEADING CAUSES OF DEATH BY COUNTY OREGON, 1987, CONTINUED

COUNTY OF RESIDENCE	ALCOHOLISM, ALCO- HOLIC CIRRHOSIS & ALCOHOLIC PSYCHOSIS	OTHER DISEASES OF ARTERIES	HOMICIDE	CERTAIN CAUSES IN EARLY INFANCY	CONGENITAL ANOMALIES	SUDDEN INFANT DEATH SYNDROME	HYPERTENSION WITH OR WITHOUT RENAL DISEASE	NEPHRITIS & NEPHROSIS	PEPTIC ULCER	ALL OTHER CAUSES
TOTAL.....	311	279	164	160	142	115	113	111	81	2,821
RATE 1/.....	11.6	10.4	6.1	5.9	5.3	4.3	4.2	4.1	3.0	104.9
BAKER.....	1	1	-	-	-	-	1	2	-	23
BENTON.....	3	2	1	3	2	-	1	1	2	51
CLACKAMAS..	25	29	12	18	9	9	15	7	7	198
CLATSOP.....	7	6	1	1	2	1	-	3	-	37
COLUMBIA....	4	3	-	2	2	2	2	-	2	33
COOS.....	7	6	2	2	4	2	3	2	1	74
CROOK.....	1	2	-	1	3	1	5	3	1	8
CURRY.....	2	3	3	3	1	2	-	1	1	20
DESCHUTES..	3	9	6	5	5	-	-	1	3	53
DOUGLAS....	15	8	4	4	3	4	2	3	2	121
GILLIAM....	-	1	-	-	-	-	1	-	-	1
GRANT.....	-	-	-	-	1	-	-	-	-	5
HARNEY.....	2	-	1	1	-	-	-	-	-	8
HOOD RIVER..	-	1	-	-	1	-	1	2	-	25
JACKSON....	23	16	3	2	7	7	4	3	3	172
JEFFERSON..	1	-	2	-	2	3	-	1	-	11
JOSEPHINE..	8	10	2	4	4	4	3	4	3	89
KLAMATH....	10	6	6	3	3	3	3	1	4	59
LAKE.....	1	2	-	-	-	1	1	-	-	5
LANE.....	24	21	11	18	15	9	7	11	9	270
LINCOLN....	4	10	-	2	2	-	1	2	1	47
LINN.....	5	13	2	5	6	8	7	4	4	80
MALHEUR....	3	1	-	3	1	1	1	-	-	26
MARION.....	18	20	14	13	15	11	10	11	2	238
MORROW.....	1	2	-	1	-	-	-	-	-	9
MULTNOMAH..	101	61	78	30	33	25	29	33	21	711
POLK.....	3	2	3	2	-	4	2	1	1	40
SHERMAN....	-	-	-	-	-	-	-	-	-	1
TILLAMOOK..	5	6	2	2	-	1	3	2	2	29
UMATILLA...	10	5	4	6	2	4	1	4	-	54
UNION.....	2	1	-	-	1	2	-	-	2	21
WALLOWA....	-	-	-	1	-	-	-	-	-	7
WASCO.....	2	5	2	-	1	-	-	-	-	15
WASHINGTON.	18	19	4	23	15	11	5	8	7	215
WHEELER....	-	-	-	-	-	-	1	-	-	-
YAMHILL....	2	8	1	5	2	-	4	1	3	65

- QUANTITY IS ZERO 1/RATES PER 100,000 POPULATION

TABLE 4-16. DEATHS BY COUNTY OF RESIDENCE BY SEX AND RACE, OREGON, 1987

COUNTY OF RESIDENCE	TOTAL	MALE	FEMALE	RACE								N.S.
				TOTAL WHITE *	HISP- ANIC	BLACK	INDIAN	CHI- NESE	JAPA- NESE	OTHER ASIAN & PACIFIC ISLANDER	OTHER NON- WHITE	
TOTAL.....	24,181	12,680	11,501	23,577	142	311	118	43	46	60	23	3
BAKER.....	169	87	82	168	-	-	1	-	-	-	-	-
BENTON.....	402	203	199	399	-	1	-	-	-	1	1	-
CLACKAMAS..	2,000	1,017	983	1,980	7	5	1	2	6	2	3	1
CLATSOP....	308	155	153	304	-	-	2	1	-	-	1	-
COLUMBIA....	323	165	158	320	-	-	1	-	1	-	-	1
COOS.....	605	361	244	600	1	-	4	-	-	1	-	-
CROOK.....	134	76	58	134	1	-	-	-	-	-	-	-
CURRY.....	197	120	77	196	-	-	1	-	-	-	-	-
DESCHUTES..	542	294	248	541	1	-	1	-	-	-	-	-
DOUGLAS....	887	472	415	882	-	3	1	1	-	-	-	-
GILLIAM....	14	8	6	14	-	-	-	-	-	-	-	-
GRANT.....	53	34	19	53	-	-	-	-	-	-	-	-
HARNEY.....	74	43	31	72	2	-	2	-	-	-	-	-
HOOD RIVER..	152	60	92	149	1	-	-	-	3	-	-	-
JACKSON....	1,334	728	606	1,323	5	2	7	-	1	-	-	1
JEFFERSON..	114	61	53	91	4	-	23	-	-	-	-	-
JOSEPHINE..	702	369	333	699	1	1	2	-	-	-	-	-
KLAMATH....	493	281	212	477	6	2	13	-	-	1	-	-
LAKE.....	63	36	27	63	-	-	-	-	-	-	-	-
LANE.....	2,249	1,211	1,038	2,230	5	8	4	2	-	5	-	-
LINCOLN....	430	233	197	426	-	-	3	-	-	1	-	-
LINN.....	813	416	397	811	-	1	1	-	-	-	-	-
MALHEUR....	240	135	105	235	12	1	-	-	4	-	-	-
MARION.....	1,994	1,042	952	1,971	25	7	7	3	2	2	2	-
MORROW....	64	36	28	64	-	-	-	-	-	-	-	-
MULTNOMAH..	5,743	2,892	2,851	5,343	29	270	26	31	27	32	14	-
POLK.....	405	233	172	404	5	1	-	-	-	-	-	-
SHERMAN....	7	3	4	7	1	-	-	-	-	-	-	-
TILLAMOOK..	261	145	116	261	-	-	-	-	-	-	-	-
UMATILLA...	538	297	241	528	7	1	9	-	-	-	-	-
UNION.....	188	99	89	187	-	-	1	-	-	-	-	-
WALLOWA....	49	25	24	49	-	-	-	-	-	-	-	-
WASCO.....	250	129	121	246	1	1	3	-	-	-	-	-
WASHINGTON.	1,873	949	924	1,840	21	7	4	3	2	15	2	-
WHEELER....	15	6	9	15	-	-	-	-	-	-	-	-
YAMHILL....	496	259	237	495	7	-	1	-	-	-	-	-
OTHERS.....	-	-	-	-	-	-	-	-	-	-	-	-

- QUANTITY IS ZERO

* THE NUMBER OF HISPANIC DEATHS IS NOT COMPLETE SINCE CERTIFICATES REQUEST RACIAL RATHER THAN ETHNIC ORIGINS. ALL HISPANIC ENTRIES ARE RECORDED AS WHITE IN NATIONAL VITAL STATISTICS. TOTAL WHITE INCLUDES HISPANIC. OTHER NON-WHITE INCLUDES GROUPS IN WHICH THE STATE TOTAL IS LESS THAN 20 (HAWAIIAN, FILIPINO).

TABLE 4-17. ACCIDENTAL DEATHS BY PRINCIPAL CLASSES AND COUNTY OF ACCIDENT, OREGON, 1987

COUNTY OF ACCIDENT	TOTAL ACCIDENTS	DEATH RATE 1/	MOTOR VEHICLE	HOME	OCCUPATIONAL	PUBLIC	UNCLASSIFIED
TOTAL.....	1,141	42.4	659	229	46	190	17
BAKER.....	7	45.8	6	-	-	1	-
BENTON.....	15	21.7-	11	2	1	1	-
CLACKAMAS...	86	33.7	46	25	1	13	1
CLATSOP....	15	45.3	12	1	-	2	-
COLUMBIA....	16	44.3	9	1	2	4	-
COOS.....	32	55.7	19	5	2	6	-
CROOK.....	5	37.0	5	-	-	-	-
CURRY.....	10	58.1	5	1	1	3	-
DESCHUTES..	43	65.5	22	12	1	8	-
DOUGLAS....	49	52.7	24	7	8	10	-
GILLIAM....	1	54.1	-	1	-	-	-
GRANT.....	10	117.6	5	-	2	3	-
HARNEY.....	4	55.6	2	-	1	1	-
HOOD RIVER..	7	42.4	2	1	-	4	-
JACKSON....	50	35.3	30	11	2	7	-
JEFFERSON..	9	76.3	7	2	-	-	-
JOSEPHINE..	23	37.3	11	10	-	2	-
KLAMATH....	44	77.3+	33	4	2	5	-
LAKE.....	7	95.9	6	-	-	1	-
LANE.....	81	30.3-	49	17	5	10	-
LINCOLN....	28	74.5+	13	4	-	11	-
LINN.....	68	78.2+	46	9	5	7	1
MALHEUR....	11	41.5	6	-	1	4	-
MARION.....	100	46.6	62	22	3	12	1
MORROW.....	6	75.0	3	-	-	3	-
MULTNOMAH..	193	9.8-	102	55	4	30	2
POLK.....	16	34.9	12	2	1	1	-
SHERMAN....	3	142.9	2	-	1	-	-
TILLAMOOK..	21	100.0+	12	1	-	8	-
UMATILLA...	32	55.1	15	9	1	7	-
UNION.....	8	34.3	5	2	1	-	-
WALLOWA....	2	28.0	2	-	-	-	-
WASCO.....	15	73.5	8	2	-	5	-
WASHINGTON.	69	24.6-	44	18	-	7	-
WHEELER....	3	214.3	2	1	-	-	-
YAMHILL....	27	46.2	19	3	1	4	-

- QUANTITY IS ZERO

1/ RATE PER 100,000 POPULATION

NOTE: SYMBOL - DENOTES RATE IS SIGNIFICANTLY BELOW STATE RATE

SYMBOL + DENOTES RATE IS SIGNIFICANTLY GREATER THAN STATE RATE

TABLE 4-18. ALL DEATHS AND MEDICAL EXAMINER'S CASES BY COUNTY OF OCCURRENCE AND AUTOPSY STATUS, OREGON, 1987

COUNTY OF OCCURRENCE	TOTAL DEATHS	TOTAL DEATHS AUTOPSIED	PERCENT OF TOTAL DEATHS AUTOPSIED	M.E. CASES	M.E. CASES AUTOPSIED	PERCENT OF ME CASES AUTOPSIED
TOTAL.....	24,362	2,214	9.1	3,691	951	25.8
BAKER.....	159	2	1.3	34	2	5.9
BENTON.....	421	39	9.3	48	13	27.1
CLACKAMAS..	1,946	126	6.5	220	56	25.5
CLATSOP....	260	16	6.2	44	8	18.2
COLUMBIA...	171	12	7.0	26	5	19.2
COOS.....	596	33	5.5	101	22	21.8
CROOK.....	102	3	2.9	24	1	4.2
CURRY.....	147	10	6.8	37	8	21.6
DESCHUTES..	607	41	6.8	112	19	17.0
DOUGLAS....	893	79	8.8	146	23	15.8
GILLIAM....	3	0	.0	3	0	.0
GRANT.....	53	2	3.8	20	2	10.0
HARNEY.....	58	2	3.4	14	2	14.3
HOOD RIVER..	140	7	5.0	9	3	33.3
JACKSON....	1,385	82	5.9	243	41	16.9
JEFFERSON..	83	7	8.4	21	5	23.8
JOSEPHINE..	683	40	5.9	91	23	25.3
KLAMATH....	496	32	6.5	99	28	28.3
LAKE.....	64	12	18.8	25	9	36.0
LANE.....	2,262	238	10.5	269	125	46.5
LINCOLN....	378	30	7.9	85	13	15.3
LINN.....	712	40	5.6	129	24	18.6
MALHEUR....	278	20	7.2	50	6	12.0
MARION.....	1,930	140	7.3	225	78	34.7
MORROW.....	40	1	2.5	10	1	10.0
MULTNOMAH..	6,926	928	13.4	1,059	301	28.4
POLK.....	260	16	6.2	37	12	32.4
SHERMAN....	7	1	14.3	5	1	20.0
TILLAMOOK..	225	11	4.9	41	9	22.0
UMATILLA...	451	32	7.1	91	21	23.1
UNION.....	168	5	3.0	20	5	25.0
WALLOWA....	29	0	.0	5	0	.0
WASCO.....	261	12	4.6	38	7	18.4
WASHINGTON.	1,734	175	10.1	244	71	29.1
WHEELER....	9	0	.0	9	0	.0
YAMHILL....	425	20	4.7	57	7	12.3

TABLE 4-19. DEATHS OCCURRING IN OREGON BY COUNTY OF RESIDENCE AND DISPOSAL OF REMAINS, 1987

COUNTY OF RESIDENCE	TOTAL	BURIAL	CREMATION	MAUSOLEUM	REMOVAL	OTHER
TOTAL.....	24,330	12,168	8,501	1,541	2,082	38
PERCENT.....	100.0	50.0	34.9	6.3	8.6	0.2
BAKER.....	155	115	3	-	37	-
BENTON.....	395	210	150	18	17	-
CLACKAMAS...	1,964	962	674	190	131	7
CLATSOP....	296	162	113	8	13	-
COLUMBIA....	257	162	71	7	17	-
COOS.....	593	291	273	10	19	-
CROOK.....	133	97	27	1	8	-
CURRY.....	176	59	92	-	24	1
DESCHUTES..	529	258	219	21	31	-
DOUGLAS....	865	426	376	21	42	-
GILLIAM....	14	11	1	-	2	-
GRANT.....	52	41	9	-	2	-
HARNEY.....	71	53	16	-	2	-
HOOD RIVER..	145	87	30	9	19	-
JACKSON....	1,302	563	589	57	92	1
JEFFERSON..	105	81	19	2	3	-
JOSEPHINE..	676	307	275	21	72	1
KLAMATH....	475	244	200	5	26	-
LAKE.....	61	35	20	-	6	-
LANE.....	2,211	1,073	908	90	135	5
LINCOLN....	415	192	189	15	18	1
LINN.....	800	515	209	36	37	3
MALHEUR....	196	127	3	1	65	-
MARION.....	1,955	1,065	655	124	110	1
MORROW.....	61	43	1	1	16	-
MULTNOMAH..	5,598	2,655	2,011	662	257	13
POLK.....	400	258	120	11	11	-
SHERMAN....	7	6	1	-	-	-
TILLAMOOK..	258	135	95	16	12	-
UMATILLA...	429	291	6	10	122	-
UNION.....	173	131	6	3	33	-
WALLOWA....	41	34	4	-	3	-
WASCO.....	240	153	61	9	17	-
WASHINGTON.	1,835	886	694	150	105	-
WHEELER....	15	11	1	-	3	-
YAMHILL....	490	304	120	32	31	3
OUT-OF-STATE....	942	125	260	11	544	2

- QUANTITY IS ZERO

TABLE 4-20. DEATHS BY SELECTED CAUSES BY CITY, OREGON RESIDENTS, 1987

SELECTED CAUSES OF DEATH	OREGON NUMBER	OREGON RATE	CITY OF RESIDENCE					
			PORTLAND		EUGENE		SALEM	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL.....	24,181	898.9	4,509	1074.1	867	806.6	1,070	1121.9
TUBERCULOSIS (010-018, 137).....	15	.6	5	1.2	1	.9	1	1.0
SEPTICEMIA (038).....	82	3.0	16	3.8	1	.9	5	5.2
MEASLES (055).....	-	-	-	-	-	-	-	-
VIRAL HEPATITIS (070).....	21	.8	5	1.2	3	2.8	-	-
OTHER INFECTIVE & PARASITIC DISEASES (RESIDUAL 001-139).....	145	5.4	50	11.9	6	5.6	3	3.1
MALIGNANT NEOPLASMS (140-208).....	5,594	208.0	972	231.5	181	168.4	237	248.5
BUCCAL CAVITY & PHARYNX (140-149).....	104	3.9	21	5.0	6	5.6	5	5.2
DIGESTIVE ORGANS & PERITONEUM (150-159).....	1,287	47.8	212	50.5	51	47.4	53	55.6
LARGE INTESTINE (153).....	494	18.4	82	19.5	20	18.6	24	25.2
PANCREAS (157).....	302	11.2	41	9.8	14	13.0	9	9.4
RESPIRATORY/INTRATHORACIC ORGANS (160-165).....	1,671	62.1	291	69.3	48	44.7	79	82.8
BRONCHUS AND LUNG (162.2-162.9).....	1,607	59.7	276	65.7	47	43.7	76	79.7
MALIGNANT MELANOMA (172).....	81	3.0	12	2.9	4	3.7	2	2.1
OTHER SKIN (173).....	24	.9	7	1.7	-	-	2	2.1
BREAST (174-175).....	465	17.3	88	21.0	19	17.7	20	21.0
GENITAL ORGANS (179-187).....	648	24.1	107	25.5	15	14.0	27	28.3
CERVIX & UTERUS (179-182).....	124	4.6	23	5.5	3	2.8	11	11.5
OVARY (183.0).....	156	5.8	27	6.4	4	3.7	6	6.3
PROSTATE (185).....	346	12.9	51	12.1	8	7.4	10	10.5
URINARY ORGANS (188-189).....	249	9.3	39	9.3	8	7.4	9	9.4
LEUKEMIA (204-208).....	218	8.1	31	7.4	7	6.5	10	10.5
BENIGN NEOPLASMS (210-229).....	16	.6	5	1.2	-	-	1	1.0
IN SITU, UNCERTAIN BEHAVIOR & UNSPECIFIED NATURE NEOPLASMS (230-239).....	41	1.5	16	3.8	-	-	-	-
DIABETES MELLITUS (250).....	395	14.7	58	13.8	23	21.4	15	15.7
NUTRITIONAL DEFICIENCIES (260-269).....	24	.9	4	1.0	-	-	1	1.0
ANEMIAS (280-285).....	38	1.4	7	1.7	3	2.8	2	2.1
ALCOHOLIC PSYCHOSES & ALCOHOLISM (291, 303).....	96	3.6	32	7.6	5	4.7	6	6.3
DRUG DEPENDENCE (304).....	5	.2	2	.5	-	-	-	-
MENINGITIS (302-322).....	7	.3	-	-	-	-	2	2.1
ALZHEIMER'S DISEASE (331).....	251	9.3	54	12.9	13	12.1	8	8.4
PARKINSON'S DISEASE (332).....	111	4.1	17	4.0	2	1.9	6	6.3
EPILEPSY (345).....	18	.7	2	.5	1	.9	3	3.1
MAJOR CARDIOVASCULAR DISEASES (390-448).....	10,736	399.1	2,020	481.2	393	365.6	504	528.4
DISEASES OF THE HEART (390-398, 402, 404-429).....	7,946	295.4	1,435	341.8	285	265.2	386	404.7
RHEUMATIC FEVER & CHRONIC RHEUMATIC HEART DISEASE (390-398).....	70	2.6	15	3.6	1	.9	3	3.1
HYPERTENSIVE HEART DISEASE WITH OR WITHOUT RENAL DISEASE (402, 404).....	201	7.5	41	9.8	12	11.2	14	14.7
ISCHEMIC HEART DISEASE (410-414).....	5,931	220.5	1,038	247.3	227	211.2	291	305.1
MYOCARDIAL INFARCTION (410).....	2,185	81.2	352	83.8	63	58.6	106	111.1
OTHER ACUTE & SUBACUTE (411).....	8	.3	-	-	-	-	-	-
CHRONIC ISCHEMIC HEART DISEASE (412-414).....	3,738	139.0	686	163.4	164	152.6	185	194.0
ALL OTHER FORMS (415-429).....	1,744	64.8	341	81.2	45	41.9	78	81.8
HYPERTENSION (401, 403).....	113	4.2	23	5.5	3	2.8	6	6.3
CEREBROVASCULAR DISEASE (430-438).....	1,958	72.8	396	94.3	81	75.4	78	81.8
SUBARACHNOID HEMORRHAGE (430).....	79	2.9	17	4.0	7	6.5	1	1.0
INTRACEREBRAL & INTRACRANIAL HEMORRHAGES (431-432).....	219	8.1	54	12.9	10	9.3	8	8.4
CEREBRAL THROMBOSIS & EMBOLISM (434).....	266	9.9	53	12.6	17	15.8	22	23.1
ACUTE BUT ILL-DEFINED CEREBROVASCULAR DISEASE (436).....	1,166	43.3	227	54.1	35	32.6	42	44.0
GENERALIZED ISCHEMIC CEREBROVASCULAR DISEASE (437).....	132	4.9	29	6.9	10	9.3	5	5.2
ARTERIOSCLEROSIS (440).....	440	16.4	110	26.2	19	17.7	22	23.1
OTHER DISEASES OF ARTERIES, ARTERIOLES AND CAPILLARIES (441-448).....	279	10.4	56	13.3	5	4.7	12	12.6
VENOUS THROMBOSIS & EMBOLISM (451-453).....	29	1.1	7	1.7	1	.9	1	1.0
PNEUMONIA (480-486).....	726	27.0	164	39.1	25	23.3	20	21.0
INFLUENZA (487).....	17	.6	3	.7	1	.9	2	2.1
BRONCHITIS, EMPHYSEMA, ASTHMA AND COPD (490-496).....	1,233	45.8	207	49.3	44	40.9	46	48.2
GASTRIC, DUODENAL, OR PEPTIC ULCER (531-533).....	81	3.0	14	3.3	2	1.9	1	1.0
HERNIA & INTESTINAL OBSTRUCTION (550-553, 560).....	60	2.2	11	2.6	2	1.9	4	4.2
CIRRHOSIS OF THE LIVER (571).....	253	9.4	64	15.2	9	8.4	6	6.3
ALCOHOLIC CIRRHOSIS (571.0-571.3).....	205	7.6	55	13.1	6	5.6	4	4.2
DISEASES OF THE GALLBLADDER (574-576).....	39	1.4	3	.7	3	2.8	1	1.0
DISEASES OF THE PANCREAS (577).....	20	.7	4	1.0	-	-	1	1.0
INFECTIONS OF THE KIDNEY (590).....	26	1.0	4	1.0	-	-	2	2.1
DISEASES OF MALE GENITAL ORGANS (600-608).....	11	.4	1	.2	1	.9	-	-
DISEASES OF THE UTERUS AND OTHER FEMALE GENITAL ORGANS (614-629).....	4	.1	-	-	-	-	-	-
COMPLICATIONS OF PREGNANCY, CHILDBIRTH & THE PUERPERIUM (630-676).....	2	.1	1	.2	-	-	-	-
CONGENITAL ANOMALIES (740-759).....	142	5.3	23	5.5	4	3.7	9	9.4
CERTAIN CAUSES IN EARLY INFANCY (760-779).....	160	5.9	29	6.9	8	7.4	8	8.4
SENILITY (797).....	7	.3	-	-	-	-	1	1.0
SUDDEN INFANT DEATH SYNDROME (798.0).....	115	4.3	17	4.0	4	3.7	6	6.3
ALL OTHER NATURAL CAUSES.....	3,550	132.0	666	158.6	125	116.3	161	168.8
ACCIDENTS (800-949).....	1,185	44.1	169	40.3	33	30.7	56	58.7
MOTOR VEHICLE ACCIDENTS (810-825).....	642	23.9	74	17.6	19	17.7	32	33.6
SUICIDES (950-959).....	400	14.9	77	18.3	9	8.4	12	12.6
HOMICIDES (960-978).....	164	6.1	60	14.3	4	3.7	5	5.2
INJURIES UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED (980-989).....	55	2.0	18	4.3	1	.9	3	3.1

NOTE: - INDICATES QUANTITY EQUALS ZERO.

TABLE 4-21. DEATHS BY SELECTED CAUSES BY COUNTY, OREGON RESIDENTS, 1987

SELECTED CAUSES OF DEATH	COUNTY OF RESIDENCE							
	BAKER NUMBER	BAKER RATE	BENTON NUMBER	BENTON RATE	CLACKAMAS NUMBER	CLACKAMAS RATE	CLATSOP NUMBER	CLATSOP RATE
TOTAL.....	169	1104.6	402	580.9	2,000	784.0	308	930.5
TUBERCULOSIS (010-018, 137).....	-	-	-	-	1	.4	-	-
SEPTICEMIA (038).....	3	19.6	2	2.9	5	2.0	-	-
MEASLES (055).....	-	-	-	-	-	-	-	-
VIRAL HEPATITIS (070).....	-	-	-	-	1	.4	-	-
OTHER INFECTIVE & PARASITIC DISEASES (RESIDUAL 001-139).....	-	-	1	1.4	13	5.1	1	3.0
MALIGNANT NEOPLASMS (140-208).....	29	189.5	89	128.6	450	176.4	92	277.9
BUCCAL CAVITY & PHARYNX (140-149).....	-	-	3	4.3	4	1.6	2	6.0
DIGESTIVE ORGANS & PERITONEUM (150-159).....	6	39.2	24	34.7	121	47.4	26	78.5
LARGE INTESTINE (153).....	2	13.1	6	8.7	52	20.4	11	33.2
PANCREAS (157).....	2	13.1	5	7.2	31	12.2	7	21.1
RESPIRATORY/INTRATHORACIC ORGANS (160-165).....	11	71.9	24	34.7	128	50.2	23	69.5
BRONCHUS AND LUNG (162.2-162.9).....	11	71.9	23	33.2	122	47.8	23	69.5
MALIGNANT MELANOMA (172).....	1	6.5	2	2.9	7	2.7	-	-
OTHER SKIN (173).....	-	-	1	1.4	-	-	-	-
BREAST (174-175).....	2	13.1	5	7.2	38	14.9	7	21.1
GENITAL ORGANS (179-187).....	4	26.1	7	10.1	47	18.4	10	30.2
CERVIX & UTERUS (179-182).....	2	13.1	-	-	7	2.7	3	9.1
OVARY (183.0).....	-	-	1	1.4	10	3.9	1	3.0
PROSTATE (185).....	1	6.5	6	8.7	29	11.4	6	18.1
URINARY ORGANS (188-189).....	1	6.5	1	1.4	21	8.2	2	6.0
LEUKEMIA (204-208).....	2	13.1	4	5.8	15	5.9	2	6.0
BENIGN NEOPLASMS (210-229).....	-	-	-	-	2	.8	-	-
IN SITU, UNCERTAIN BEHAVIOR & UNSPECIFIED NATURE NEOPLASMS (230-239).....	-	-	-	-	1	.4	1	3.0
DIABETES MELLITUS (250).....	2	13.1	8	11.6	25	9.8	2	6.0
NUTRITIONAL DEFICIENCIES (260-269).....	-	-	-	-	4	1.6	-	-
ANEMIAS (280-285).....	-	-	-	-	3	1.2	-	-
ALCOHOLIC PSYCHOSES & ALCOHOLISM (291, 303).....	-	-	-	-	8	3.1	2	6.0
DRUG DEPENDENCE (304).....	-	-	-	-	-	-	-	-
MENINGITIS (302-322).....	-	-	-	-	-	-	-	-
ALZHEIMER'S DISEASE (331).....	-	-	13	18.8	18	7.1	3	9.1
PARKINSON'S DISEASE (332).....	-	-	2	2.9	5	2.0	2	6.0
EPILEPSY (345).....	-	-	1	1.4	1	.4	-	-
MAJOR CARDIOVASCULAR DISEASES (390-448).....	77	503.3	173	250.0	957	375.1	126	380.7
DISEASES OF THE HEART (390-398, 402, 404-429).....	55	359.5	135	195.1	720	282.2	92	277.9
RHEUMATIC FEVER & CHRONIC RHEUMATIC HEART DISEASE (390-398).....	1	6.5	-	-	8	3.1	-	-
HYPERTENSIVE HEART DISEASE WITH OR WITHOUT RENAL DISEASE (402,404).....	-	-	1	1.4	33	12.9	3	9.1
ISCHEMIC HEART DISEASE (410-414).....	40	261.4	93	134.4	545	213.6	68	205.4
MYOCARDIAL INFARCTION (410).....	12	78.4	28	40.5	181	71.0	22	66.5
OTHER ACUTE & SUBACUTE (411).....	-	-	-	-	-	-	-	-
CHRONIC ISCHEMIC HEART DISEASE (412-414).....	28	183.0	65	93.9	364	142.7	46	139.0
ALL OTHER FORMS (415-429).....	14	91.5	41	59.2	134	52.5	21	63.4
HYPERTENSION (401, 403).....	1	6.5	1	1.4	15	5.9	-	-
CEREBROVASCULAR DISEASE (430-438).....	16	104.6	29	41.9	160	62.7	23	69.5
SUBARACHNOID MEMORRHAGE (430).....	-	-	1	1.4	4	1.6	-	-
INTRACEREBRAL & INTRACRANIAL MEMORRHAGES (431-432).....	-	-	5	7.2	21	8.2	1	3.0
CEREBRAL THROMBOSIS & EMBOLISM (434).....	1	6.5	5	7.2	13	5.1	3	9.1
ACUTE BUT ILL-DEFINED CEREBROVASCULAR DISEASE (436).....	10	65.4	14	20.2	100	39.2	17	51.4
GENERALIZED ISCHEMIC CEREBROVASCULAR DISEASE (437).....	4	26.1	4	5.8	17	6.7	1	3.0
ARTERIOSCLEROSIS (440).....	4	26.1	6	8.7	33	12.9	5	15.1
OTHER DISEASES OF ARTERIES, ARTERIOLES AND CAPILLARIES (441-448).....	1	6.5	2	2.9	29	11.4	6	18.1
VENOUS THROMBOSIS & EMBOLISM (451-453).....	-	-	-	-	2	.8	-	-
PNEUMONIA (480-486).....	5	32.7	12	17.3	59	23.1	11	33.2
INFLUENZA (487).....	-	-	-	-	-	-	-	-
BRONCHITIS, EMPHYSEMA, ASTHMA AND COPD (490-496).....	19	124.2	27	39.0	98	38.4	12	36.3
GASTRIC, DUODENAL, OR PEPTIC ULCER (531-533).....	-	-	2	2.9	7	2.7	-	-
HERNIA & INTESTINAL OBSTRUCTION (550-553, 560).....	-	-	1	1.4	5	2.0	-	-
CIRRHOSIS OF THE LIVER (571).....	1	6.5	4	5.8	21	8.2	6	18.1
ALCOHOLIC CIRRHOSIS (571.0-571.3).....	1	6.5	3	4.3	17	6.7	5	15.1
DISEASES OF THE GALLBLADDER (574-576).....	-	-	1	1.4	3	1.2	-	-
DISEASES OF THE PANCREAS (577).....	-	-	1	1.4	-	-	-	-
INFECTIONS OF THE KIDNEY (590).....	-	-	-	-	2	.8	-	-
DISEASES OF MALE GENITAL ORGANS (600-608).....	1	6.5	-	-	1	.4	-	-
DISEASES OF THE UTERUS AND OTHER FEMALE GENITAL ORGANS (614-629).....	-	-	1	1.4	-	-	-	-
COMPLICATIONS OF PREGNANCY, CHILDBIRTH & THE PUERPERIUM (630-676).....	-	-	-	-	-	-	-	-
CONGENITAL ANOMALIES (740-759).....	-	-	2	2.9	9	3.5	2	6.0
CERTAIN CAUSES IN EARLY INFANCY (760-779).....	-	-	3	4.3	18	7.1	1	3.0
SENILITY (797).....	-	-	-	-	1	.4	-	-
SUDDEN INFANT DEATH SYNDROME (798.0).....	-	-	-	-	9	3.5	1	3.0
ALL OTHER NATURAL CAUSES.....	30	196.1	58	83.8	264	103.5	43	129.9
ACCIDENTS (800-949).....	6	39.2	22	31.8	95	37.2	10	30.2
MOTOR VEHICLE ACCIDENTS (810-825).....	4	26.1	16	23.1	57	22.3	7	21.1
SUICIDES (950-959).....	5	32.7	8	11.6	31	12.2	3	9.1
HOMICIDES (960-978).....	-	-	1	1.4	12	4.7	1	3.0
INJURIES UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED (980-989).....	1	6.5	-	-	7	2.7	-	-

- INDICATES QUANTITY EQUALS ZERO

TABLE 4-21. DEATHS BY SELECTED CAUSES BY COUNTY, OREGON RESIDENTS, 1987, CONTINUED

SELECTED CAUSES OF DEATH	COUNTY OF RESIDENCE							
	COLUMBIA		COOS		CROOK		CURRY	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL.....	323	894.7	605	1052.2	134	992.6	197	1145.3
TUBERCULOSIS (010-018, 137).....	-	-	-	-	-	-	-	-
SEPTICEMIA (038).....	1	2.8	1	1.7	-	-	-	-
MEASLES (055).....	-	-	-	-	-	-	-	-
VIRAL HEPATITIS (070).....	-	-	-	-	-	-	-	-
OTHER INFECTIVE & PARASITIC DISEASES (RESIDUAL 001-139).....	-	-	7	12.2	-	-	3	17.4
MALIGNANT NEOPLASMS (140-208).....	80	221.6	148	257.4	38	281.5	41	238.4
BUCCAL CAVITY & PHARYNX (140-149).....	1	2.8	-	-	2	14.8	3	17.4
DIGESTIVE ORGANS & PERITONEUM (150-159).....	14	38.8	29	50.4	9	66.7	9	52.3
LARGE INTESTINE (153).....	9	24.9	10	17.4	4	29.6	2	11.6
PANCREAS (157).....	2	5.5	5	8.7	3	22.2	2	11.6
RESPIRATORY/INTRATHORACIC ORGANS (160-165).....	24	66.5	55	95.7	7	51.9	10	58.1
BRONCHUS AND LUNG (162.2-162.9).....	23	63.7	52	90.4	7	51.9	10	58.1
MALIGNANT MELANOMA (172).....	-	-	1	1.7	3	22.2	-	-
OTHER SKIN (173).....	-	-	1	1.7	-	-	1	5.8
BREAST (174-175).....	10	27.7	10	17.4	3	22.2	6	34.9
GENITAL ORGANS (179-187).....	12	33.2	18	31.3	7	51.9	4	23.3
CERVIX & UTERUS (179-182).....	1	2.8	2	3.5	-	-	1	5.8
OVARY (183.0).....	5	13.9	5	8.7	-	-	1	5.8
PROSTATE (185).....	4	11.1	9	15.7	6	44.4	2	11.6
URINARY ORGANS (188-189).....	2	5.5	8	13.9	3	22.2	2	11.6
LEUKEMIA (204-208).....	4	11.1	7	12.2	1	7.4	1	5.8
BENIGN NEOPLASMS (210-229).....	-	-	-	-	-	-	-	-
IN SITU, UNCERTAIN BEHAVIOR & UNSPECIFIED NATURE NEOPLASMS (230-239).....	-	-	1	1.7	-	-	-	-
DIABETES MELLITUS (250).....	4	11.1	14	24.3	5	37.0	6	34.9
NUTRITIONAL DEFICIENCIES (260-269).....	1	2.8	1	1.7	-	-	-	-
ANEMIAS (280-285).....	-	-	-	-	-	-	-	-
ALCOHOLIC PSYCHOSES & ALCOHOLISM (291, 303).....	-	-	4	7.0	-	-	-	-
DRUG DEPENDENCE (304).....	1	2.8	-	-	-	-	-	-
MENINGITIS (302-322).....	2	5.5	9	15.7	-	-	1	5.8
ALZHEIMER'S DISEASE (331).....	-	-	3	5.2	1	7.4	1	5.8
PARKINSON'S DISEASE (332).....	-	-	1	1.7	-	-	-	-
EPILEPSY (345).....	-	-	-	-	-	-	-	-
MAJOR CARDIOVASCULAR DISEASES (390-448).....	148	410.0	264	459.1	57	422.2	84	488.4
DISEASES OF THE HEART (390-398, 402, 404-429).....	114	315.8	195	339.1	38	281.5	66	383.7
RHEUMATIC FEVER & CHRONIC RHEUMATIC HEART DISEASE (390-398).....	-	-	2	3.5	-	-	1	5.8
HYPERTENSIVE HEART DISEASE WITH OR WITHOUT RENAL DISEASE (402, 404).....	1	2.8	1	1.7	1	7.4	1	5.8
ISCHEMIC HEART DISEASE (410-414).....	87	241.0	155	269.6	30	222.2	38	220.9
MYOCARDIAL INFARCTION (410).....	35	97.0	67	116.5	10	74.1	20	116.3
OTHER ACUTE & SUBACUTE (411).....	-	-	-	-	-	-	-	-
CHRONIC ISCHEMIC HEART DISEASE (412-414).....	52	144.0	88	153.0	20	148.1	18	104.7
ALL OTHER FORMS (415-429).....	26	72.0	37	64.3	7	51.9	26	151.2
HYPERTENSION (401, 403).....	2	5.5	3	5.2	5	37.0	-	-
CEREBROVASCULAR DISEASE (430-438).....	25	69.3	53	92.2	3	22.2	11	64.0
SUBARACHNOID HEMORRHAGE (430).....	2	5.5	2	3.5	-	-	-	-
INTRACEREBRAL & INTRACRANIAL HEMORRHAGES (431-432).....	3	8.3	5	8.7	1	7.4	4	23.3
CEREBRAL THROMBOSIS & EMBOLISM (434).....	1	2.8	14	24.3	-	-	1	5.8
ACUTE BUT ILL-DEFINED CEREBROVASCULAR DISEASE (436).....	17	47.1	29	50.4	2	14.8	4	23.3
GENERALIZED ISCHEMIC CEREBROVASCULAR DISEASE (437).....	-	-	1	1.7	-	-	-	-
ARTERIOSCLEROSIS (440).....	4	11.1	7	12.2	9	66.7	4	23.3
OTHER DISEASES OF ARTERIES, ARTERIOLES AND CAPILLARIES (441-448).....	3	8.3	6	10.4	2	14.8	3	17.4
VENOUS THROMBOSIS & EMBOLISM (451-453).....	1	2.8	1	1.7	1	7.4	-	-
PNEUMONIA (480-486).....	7	19.4	13	22.6	2	14.8	4	23.3
INFLUENZA (487).....	-	-	-	-	-	-	-	-
BRONCHITIS, EMPHYSEMA, ASTHMA AND COPD (490-496).....	18	49.9	38	66.1	6	44.4	11	64.0
GASTRIC, DUODENAL, OR PEPTIC ULCER (531-533).....	2	5.5	1	1.7	1	7.4	1	5.8
HERNIA & INTESTINAL OBSTRUCTION (550-553, 560).....	-	-	3	5.2	-	-	-	-
CIRRHOSIS OF THE LIVER (571).....	4	11.1	3	5.2	1	7.4	3	17.4
ALCOHOLIC CIRRHOSIS (571.0-571.3).....	4	11.1	3	5.2	1	7.4	2	11.6
DISEASES OF THE GALLBLADDER (574-576).....	1	2.8	1	1.7	1	7.4	1	5.8
DISEASES OF THE PANCREAS (577).....	-	-	4	7.0	-	-	-	-
INFECTIONS OF THE KIDNEY (590).....	-	-	-	-	-	-	1	5.8
DISEASES OF MALE GENITAL ORGANS (600-608).....	-	-	1	1.7	-	-	1	5.8
DISEASES OF THE UTERUS AND OTHER FEMALE GENITAL ORGANS (614-629).....	-	-	-	-	-	-	-	-
COMPLICATIONS OF PREGNANCY, CHILDBIRTH & THE PUERPERIUM (630-676).....	-	-	-	-	-	-	-	-
CONGENITAL ANOMALIES (740-759).....	2	5.5	4	7.0	3	22.2	1	5.8
CERTAIN CAUSES IN EARLY INFANCY (760-779).....	2	5.5	2	3.5	1	7.4	3	17.4
SENILITY (797).....	-	-	-	-	-	-	-	-
SUDDEN INFANT DEATH SYNDROME (798.0).....	2	5.5	2	3.5	1	7.4	2	11.6
ALL OTHER NATURAL CAUSES.....	47	130.2	77	133.9	13	96.3	32	186.0
ACCIDENTS (800-949).....	19	52.6	29	50.4	4	29.6	11	64.0
MOTOR VEHICLE ACCIDENTS (810-825).....	8	22.2	18	31.3	4	29.6	6	34.9
SUICIDES (950-959).....	2	5.5	5	8.7	4	29.6	7	40.7
HOMICIDES (960-978).....	-	-	2	3.5	-	-	3	17.4
INJURIES UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED (980-989).....	1	2.8	1	1.7	-	-	-	-

NOTE: - INDICATES QUANTITY EQUALS ZERO.

TABLE 4-21. DEATHS BY SELECTED CAUSES BY COUNTY, OREGON RESIDENTS, 1987, CONTINUED

SELECTED CAUSES OF DEATH	COUNTY OF RESIDENCE							
	DESCHUTES		DOUGLAS		GILLIAM		GRANT	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	542	826.2	887	953.8	14	756.8	53	623.5
TUBERCULOSIS (010-018, 137)	-	-	1	1.1	-	-	-	-
SEPTICEMIA (038)	1	1.5	1	1.1	-	-	-	-
MEASLES (055)	-	-	-	-	-	-	-	-
VIRAL HEPATITIS (070)	-	-	-	-	-	-	-	-
OTHER INFECTIVE & PARASITIC DISEASES								
(RESIDUAL 001-139)	1	1.5	4	4.3	-	-	-	-
MALIGNANT NEOPLASMS (140-208)	147	224.1	208	223.7	2	108.1	11	129.4
BUCCAL CAVITY & PHARYNX (140-149)	3	4.6	3	3.2	-	-	-	-
DIGESTIVE ORGANS & PERITONEUM (150-159)	30	45.7	45	48.4	1	54.1	5	58.8
LARGE INTESTINE (153)	10	15.2	19	20.4	-	-	3	35.3
PANCREAS (157)	6	9.1	6	6.5	-	-	1	11.8
RESPIRATORY/INTRATHORACIC ORGANS (160-165)	40	61.0	72	77.4	-	-	6	70.6
BRONCHUS AND LUNG (162.2-162.9)	38	57.9	71	76.3	-	-	5	58.8
MALIGNANT MELANOMA (172)	1	1.5	4	4.3	-	-	-	-
OTHER SKIN (173)	-	-	-	-	-	-	-	-
BREAST (174-175)	12	18.3	14	15.1	-	-	-	-
GENITAL ORGANS (179-187)	13	19.8	29	31.2	1	54.1	-	-
CERVIX & UTERUS (179-182)	4	6.1	5	5.4	-	-	-	-
OVARY (183.0)	2	3.0	4	4.3	-	-	-	-
PROSTATE (185)	7	10.7	20	21.5	1	54.1	-	-
URINARY ORGANS (188-189)	9	13.7	8	8.6	-	-	-	-
LEUKEMIA (204-208)	6	9.1	4	4.3	-	-	-	-
BENIGN NEOPLASMS (210-229)	-	-	-	-	-	-	-	-
IN SITU, UNCERTAIN BEHAVIOR & UNSPECIFIED								
NATURE NEOPLASMS (230-239)	-	-	1	1.1	-	-	-	-
DIABETES MELLITUS (250)	4	6.1	29	31.2	-	-	1	11.8
NUTRITIONAL DEFICIENCIES (260-269)	1	1.5	1	1.1	-	-	-	-
ANEMIAS (280-285)	-	-	2	2.2	-	-	-	-
ALCOHOLIC PSYCHOSES & ALCOHOLISM (291, 303)	-	-	5	5.4	-	-	-	-
DRUG DEPENDENCE (304)	-	-	1	1.1	-	-	-	-
MENINGITIS (302-322)	-	-	-	-	-	-	-	-
ALZHEIMER'S DISEASE (331)	1	1.5	11	11.8	-	-	1	11.8
PARKINSON'S DISEASE (332)	5	7.6	5	5.4	-	-	1	11.8
EPILEPSY (345)	-	-	-	-	-	-	-	-
MAJOR CARDIOVASCULAR DISEASES (390-448)	225	343.0	355	381.7	7	378.4	23	270.6
DISEASES OF THE HEART (390-398, 402, 404-429)	160	243.9	266	286.0	4	216.2	20	235.3
RHEUMATIC FEVER & CHRONIC								
RHEUMATIC HEART DISEASE (390-398)	2	3.0	1	1.1	-	-	1	11.8
HYPERTENSIVE HEART DISEASE WITH OR WITHOUT								
RENAL DISEASE (402,404)	3	4.6	8	8.6	-	-	-	-
ISCHEMIC HEART DISEASE (410-414)	102	155.5	209	224.7	3	162.2	15	176.5
MYOCARDIAL INFARCTION (410)	37	56.4	75	80.6	1	54.1	4	47.1
OTHER ACUTE & SUBACUTE (411)	-	-	-	-	-	-	-	-
CHRONIC ISCHEMIC HEART DISEASE (412-414)	65	99.1	134	144.1	2	108.1	11	129.4
ALL OTHER FORMS (415-429)	53	80.8	48	51.6	1	54.1	4	47.1
HYPERTENSION (401, 403)	-	-	2	2.2	1	54.1	-	-
CEREBROVASCULAR DISEASE (430-438)	43	65.5	70	75.3	1	54.1	3	35.3
SUBARACHNOID HEMORRHAGE (430)	-	-	4	4.3	-	-	-	-
INTRACEREBRAL & INTRACRANIAL								
HEMORRHAGES (431-432)	3	4.6	6	6.5	-	-	1	11.8
CEREBRAL THROMBOSIS & EMBOLISM (434)	4	6.1	11	11.8	-	-	-	-
ACUTE BUT ILL-DEFINED CEREBROVASCULAR								
DISEASE (436)	31	47.3	38	40.9	1	54.1	2	23.5
GENERALIZED ISCHEMIC CEREBROVASCULAR								
DISEASE (437)	4	6.1	6	6.5	-	-	-	-
ARTERIOSCLEROSIS (440)	13	19.8	9	9.7	-	-	-	-
OTHER DISEASES OF ARTERIES, ARTERIOLES								
AND CAPILLARIES (441-448)	9	13.7	8	8.6	1	54.1	-	-
VENOUS THROMBOSIS & EMBOLISM (451-453)	1	1.5	-	-	-	-	2	23.5
PNEUMONIA (480-486)	15	22.9	27	29.0	1	54.1	1	11.8
INFLUENZA (487)	-	-	-	-	-	-	-	-
BRONCHITIS, EMPHYSEMA, ASTHMA AND COPD (490-496)	24	36.6	45	48.4	1	54.1	-	-
GASTRIC, DUODENAL, OR PEPTIC ULCER (531-533)	3	4.6	2	2.2	-	-	-	-
HERNIA & INTESTINAL OBSTRUCTION (550-553, 560)	1	1.5	3	3.2	-	-	-	-
CIRRHOSIS OF THE LIVER (571)	6	9.1	11	11.8	-	-	-	-
ALCOHOLIC CIRRHOSIS (571.0-571.3)	3	4.6	9	9.7	-	-	-	-
DISEASES OF THE GALLBLADDER (574-576)	1	1.5	2	2.2	-	-	-	-
DISEASES OF THE PANCREAS (577)	3	4.6	1	1.1	-	-	-	-
INFECTIONS OF THE KIDNEY (590)	-	-	4	4.3	-	-	-	-
DISEASES OF MALE GENITAL ORGANS (600-608)	-	-	-	-	-	-	-	-
DISEASES OF THE UTERUS AND OTHER								
FEMALE GENITAL ORGANS (614-629)	-	-	-	-	-	-	-	-
COMPLICATIONS OF PREGNANCY, CHILDBIRTH								
& THE PUERPERIUM (630-676)	-	-	1	1.1	-	-	-	-
CONGENITAL ANOMALIES (740-759)	5	7.6	3	3.2	-	-	1	11.8
CERTAIN CAUSES IN EARLY INFANCY (760-779)	5	7.6	4	4.3	-	-	-	-
SENILITY (797)	-	-	4	4.3	-	-	-	-
SUDDEN INFANT DEATH SYNDROME (798.0)	-	-	-	-	-	-	-	-
ALL OTHER NATURAL CAUSES	92	140.2	153	164.5	3	162.2	12	141.2
ACCIDENTS (800-949)	35	53.4	52	55.9	2	108.1	8	94.1
MOTOR VEHICLE ACCIDENTS (810-825)	18	27.4	19	20.4	1	54.1	5	58.8
SUICIDES (950-959)	16	24.4	16	17.2	-	-	3	35.3
HOMICIDES (960-978)	6	9.1	4	4.3	-	-	-	-
INJURIES UNDETERMINED WHETHER ACCIDENTALLY OR								
PURPOSELY INFLECTED (980-989)	-	-	1	1.1	-	-	-	-

NOTE: - INDICATES QUANTITY EQUALS ZERO.

TABLE 4-21. DEATHS BY SELECTED CAUSES BY COUNTY, OREGON RESIDENTS, 1987, CONTINUED

SELECTED CAUSES OF DEATH	COUNTY OF RESIDENCE							
	HARNEY NUMBER	HARNEY RATE	HOOD RIVER NUMBER	HOOD RIVER RATE	JACKSON NUMBER	JACKSON RATE	JEFFERSON NUMBER	JEFFERSON RATE
TOTAL	74	1027.8	152	921.2	1,334	941.4	114	966.1
TUBERCULOSIS (010-018, 137)	-	-	-	-	-	-	-	-
SEPTICEMIA (038)	1	13.9	-	-	6	4.2	1	8.5
MEASLES (055)	-	-	-	-	-	-	-	-
VIRAL HEPATITIS (070)	-	-	-	-	1	.7	-	-
OTHER INFECTIVE & PARASITIC DISEASES (RESIDUAL 001-139)	-	-	-	-	5	3.5	-	-
MALIGNANT NEOPLASMS (140-208)	14	194.4	38	250.3	329	232.2	23	194.9
BUCCAL CAVITY & PHARYNX (140-149)	-	-	-	-	3	2.1	-	-
DIGESTIVE ORGANS & PERITONEUM (150-159)	5	69.4	14	84.8	65	45.9	4	33.9
LARGE INTESTINE (153)	2	27.8	7	42.4	28	19.8	2	16.9
PANCREAS (157)	2	27.8	1	6.1	18	12.7	-	-
RESPIRATORY/INTRATHORACIC ORGANS (160-165)	5	69.4	10	60.6	104	73.4	8	67.8
BRONCHUS AND LUNG (162.2-162.9)	5	69.4	8	48.5	103	72.7	8	67.8
MALIGNANT MELANOMA (172)	-	-	-	-	4	2.8	1	8.5
OTHER SKIN (173)	-	-	-	-	2	1.4	-	-
BREAST (174-175)	-	-	1	6.1	32	22.6	1	8.5
GENITAL ORGANS (179-187)	2	27.8	5	30.3	43	30.3	5	42.4
CERVIX & UTERUS (179-182)	-	-	1	6.1	8	5.6	1	8.5
OVARY (183.0)	-	-	2	12.1	8	5.6	3	25.4
PROSTATE (185)	2	27.8	2	12.1	25	17.6	1	8.5
URINARY ORGANS (188-189)	-	-	2	12.1	20	14.1	1	8.5
LEUKEMIA (204-208)	-	-	-	-	18	12.7	-	-
BENIGN NEOPLASMS (210-229)	-	-	-	-	-	-	-	-
IN SITU, UNCERTAIN BEHAVIOR & UNSPECIFIED NATURE NEOPLASMS (230-239)	-	-	-	-	4	2.8	-	-
DIABETES MELLITUS (250)	5	69.4	4	24.2	21	14.8	1	8.5
NUTRITIONAL DEFICIENCIES (260-269)	-	-	-	-	2	1.4	-	-
ANEMIAS (280-285)	-	-	1	6.1	3	2.1	-	-
ALCOHOLIC PSYCHOSES & ALCOHOLISM (291, 303)	1	13.9	-	-	7	4.9	-	-
DRUG DEPENDENCE (304)	-	-	-	-	-	-	-	-
MENTINGITIS (302-322)	-	-	-	-	-	-	-	-
ALZHEIMER'S DISEASE (331)	-	-	4	24.2	17	12.0	-	-
PARKINSON'S DISEASE (332)	-	-	3	18.2	6	4.2	-	-
EPILEPSY (345)	-	-	-	-	1	.7	-	-
MAJOR CARDIOVASCULAR DISEASES (390-448)	27	375.0	68	412.1	587	414.3	45	381.4
DISEASES OF THE HEART (390-398, 402, 404-429)	26	361.1	47	284.8	447	315.5	33	279.7
RHEUMATIC FEVER & CHRONIC RHEUMATIC HEART DISEASE (390-398)	-	-	-	-	2	1.4	2	16.9
HYPERTENSIVE HEART DISEASE WITH OR WITHOUT RENAL DISEASE (402, 404)	2	27.8	5	30.3	7	4.9	-	-
ISCHEMIC HEART DISEASE (410-414)	15	208.3	30	181.8	338	238.5	22	186.4
MYOCARDIAL INFARCTION (410)	11	152.8	17	103.0	113	79.7	8	67.8
OTHER ACUTE & SUBACUTE (411)	-	-	-	-	1	.7	-	-
CHRONIC ISCHEMIC HEART DISEASE (412-414)	4	55.6	13	78.8	224	158.1	14	118.6
ALL OTHER FORMS (415-429)	9	125.0	12	72.7	100	70.6	9	76.3
HYPERTENSION (401, 403)	-	-	1	6.1	4	2.8	-	-
CEREBROVASCULAR DISEASE (430-438)	1	13.9	18	109.1	108	76.2	9	76.3
SUBARACHNOID HEMORRHAGE (430)	-	-	-	-	3	2.1	-	-
INTRACEREBRAL & INTRACRANIAL HEMORRHAGES (431-432)	-	-	-	-	9	6.4	-	-
CEREBRAL THROMBOSIS & EMBOLISM (434)	-	-	-	-	14	9.9	1	8.5
ACUTE BUT ILL-DEFINED CEREBROVASCULAR DISEASE (436)	-	-	15	90.9	71	50.1	8	67.8
GENERALIZED ISCHEMIC CEREBROVASCULAR DISEASE (437)	-	-	2	12.1	4	2.8	-	-
ARTERIOSCLEROSIS (440)	-	-	1	6.1	12	8.5	3	25.4
OTHER DISEASES OF ARTERIES, ARTERIOLES AND CAPILLARIES (441-448)	-	-	1	6.1	16	11.3	-	-
VENOUS THROMBOSIS & EMBOLISM (451-453)	-	-	-	-	1	.7	-	-
PNEUMONIA (480-486)	2	27.8	-	-	36	25.4	2	16.9
INFLUENZA (487)	-	-	-	-	1	.7	-	-
BRONCHITIS, EMPHYSEMA, ASTHMA AND COPD (490-496)	8	111.1	7	42.4	67	47.3	8	67.8
GASTRIC, DUODENAL, OR PEPTIC ULCER (531-533)	-	-	-	-	3	2.1	-	-
HERNIA & INTESTINAL OBSTRUCTION (550-553, 560)	1	13.9	-	-	1	.7	-	-
CIRRHOSIS OF THE LIVER (571)	1	13.9	1	6.1	19	13.4	2	16.9
ALCOHOLIC CIRRHOSIS (571.0-571.3)	1	13.9	-	-	15	10.6	1	8.5
DISEASES OF THE GALLBLADDER (574-576)	-	-	1	6.1	2	1.4	-	-
DISEASES OF THE PANCREAS (577)	-	-	-	-	1	.7	-	-
INFECTIONS OF THE KIDNEY (590)	-	-	1	6.1	2	1.4	-	-
DISEASES OF MALE GENITAL ORGANS (600-608)	-	-	-	-	-	-	-	-
DISEASES OF THE UTERUS AND OTHER FEMALE GENITAL ORGANS (614-629)	-	-	1	6.1	-	-	-	-
COMPLICATIONS OF PREGNANCY, CHILDBIRTH & THE PUERPERIUM (630-676)	-	-	-	-	-	-	-	-
CONGENITAL ANOMALIES (740-759)	-	-	1	6.1	7	4.9	2	16.9
CERTAIN CAUSES IN EARLY INFANCY (760-779)	1	13.9	-	-	2	1.4	-	-
SENILITY (797)	1	13.9	-	-	-	-	-	-
SUDDEN INFANT DEATH SYNDROME (798.0)	-	-	-	-	7	4.9	3	25.4
ALL OTHER NATURAL CAUSES	12	166.7	20	121.2	193	136.2	26	220.3
ACCIDENTS (800-949)	5	69.4	6	36.4	51	36.0	12	101.7
MOTOR VEHICLE ACCIDENTS (810-825)	3	41.7	1	6.1	31	21.9	8	67.8
SUICIDES (950-959)	1	13.9	1	6.1	23	16.2	3	25.4
HOMICIDES (960-978)	1	13.9	-	-	3	2.1	2	16.9
INJURIES UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLECTED (980-989)	-	-	-	-	3	2.1	1	8.5

NOTE: - INDICATES QUANTITY EQUALS ZERO.

TABLE 4-21. DEATHS BY SELECTED CAUSES BY COUNTY, OREGON RESIDENTS, 1987, CONTINUED

SELECTED CAUSES OF DEATH	COUNTY OF RESIDENCE							
	JOSEPHINE NUMBER	RATE	KLAMATH NUMBER	RATE	LAKE NUMBER	RATE	LANE NUMBER	RATE
TOTAL.....	702	1137.8	493	866.4	63	863.0	2,249	840.1
TUBERCULOSIS (010-018, 137).....	1	1.6	-	-	-	-	2	.7
SEPTICEMIA (038).....	2	3.2	1	1.8	-	-	6	2.2
MEASLES (055).....	-	-	-	-	-	-	-	-
VIRAL HEPATITIS (070).....	-	-	1	1.8	-	-	4	1.5
OTHER INFECTIVE & PARASITIC DISEASES (RESIDUAL 001-139).....	3	4.9	4	7.0	-	-	16	6.0
MALIGNANT NEOPLASMS (140-208).....	175	283.4	104	182.8	13	205.3	512	191.3
BUCCAL CAVITY & PHARYNX (140-149).....	6	9.7	1	1.8	-	-	13	4.9
DIGESTIVE ORGANS & PERITONEUM (150-159).....	39	63.2	31	54.5	3	41.1	129	48.2
LARGE INTESTINE (153).....	15	24.3	10	17.6	2	27.4	44	16.4
PANCREAS (157).....	11	17.8	9	15.8	-	-	33	13.1
RESPIRATORY/INTRATHORACIC ORGANS (160-165).....	52	84.3	25	43.9	3	41.1	145	54.2
BRONCHUS AND LUNG (162.2-162.9).....	50	81.0	25	43.9	1	41.1	141	52.7
MALIGNANT MELANOMA (172).....	2	3.2	1	1.8	-	-	9	3.4
OTHER SKIN (173).....	1	1.6	1	1.8	-	-	1	.4
BREAST (174-175).....	11	17.8	9	15.8	1	13.7	41	15.3
GENITAL ORGANS (179-187).....	20	32.4	17	29.9	2	27.4	47	17.6
CERVIX & UTERUS (179-182).....	5	8.1	1	1.8	-	-	10	3.7
OVARY (183.0).....	6	9.7	6	10.5	1	13.7	12	4.5
PROSTATE (185).....	8	13.0	10	17.6	1	13.7	25	9.3
URINARY ORGANS (188-189).....	10	16.2	4	7.0	3	41.1	26	9.7
LEUKEMIA (204-208).....	6	9.7	1	1.8	-	-	23	8.6
BENIGN NEOPLASMS (210-229).....	-	-	-	-	-	-	-	-
IN SITU, UNCERTAIN BEHAVIOR & UNSPECIFIED NATURE NEOPLASMS (230-239).....	4	6.5	-	-	-	-	3	1.1
DIABETES MELLITUS (250).....	8	13.0	10	17.6	-	-	60	22.4
NUTRITIONAL DEFICIENCIES (260-269).....	-	-	-	-	-	-	2	.7
ANEMIAS (280-285).....	2	3.2	-	-	-	-	6	2.2
ALCOHOLIC PSYCHOSES & ALCOHOLISM (291, 303).....	2	3.2	2	3.5	1	13.7	6	2.2
DRUG DEPENDENCE (304).....	-	-	-	-	-	-	-	-
MENINGITIS (302-322).....	1	1.6	-	-	-	-	1	.4
ALZHEIMER'S DISEASE (331).....	19	30.8	4	7.0	-	-	28	10.5
PARKINSON'S DISEASE (332).....	3	4.9	4	7.0	1	13.7	6	2.2
EPILEPSY (345).....	-	-	1	1.8	-	-	3	1.1
MAJOR CARDIOVASCULAR DISEASES (390-448).....	299	484.6	205	360.3	30	411.0	976	364.6
DISEASES OF THE HEART (390-398, 402, 404-429).....	222	359.8	145	254.8	21	287.7	711	265.6
RHEUMATIC FEVER & CHRONIC RHEUMATIC HEART DISEASE (390-398).....	-	-	3	5.3	-	-	6	2.2
HYPERTENSIVE HEART DISEASE WITH OR WITHOUT RENAL DISEASE (402, 404).....	7	11.3	1	1.8	-	-	20	7.5
ISCHEMIC HEART DISEASE (410-414).....	161	260.9	111	195.1	14	191.8	546	204.0
MYOCARDIAL INFARCTION (410).....	66	107.0	62	109.0	5	68.5	198	74.0
OTHER ACUTE & SUBACUTE (411).....	95	154.0	49	86.1	9	123.3	346	129.2
CHRONIC ISCHEMIC HEART DISEASE (412-414).....	54	87.5	30	52.7	7	95.9	139	51.9
ALL OTHER FORMS (415-429).....	3	4.9	3	5.3	1	13.7	7	2.6
HYPERTENSION (401, 403).....	55	89.1	42	73.8	6	82.2	181	67.6
CEREBROVASCULAR DISEASE (430-438).....	5	4.9	1	1.8	-	-	15	5.6
SUBARACHNOID HEMORRHAGE (430).....	-	-	-	-	-	-	-	-
INTRACEREBRAL & INTRACRANIAL HEMORRHAGES (431-432).....	6	9.7	5	8.8	1	13.7	22	8.2
CEREBRAL THROMBOSIS & EMBOLISM (434).....	5	8.1	2	3.5	-	-	36	13.4
ACUTE BUT ILL-DEFINED CEREBROVASCULAR DISEASE (436).....	29	47.0	28	49.2	4	54.8	84	31.4
GENERALIZED ISCHEMIC CEREBROVASCULAR DISEASE (437).....	8	13.0	-	-	1	13.7	19	7.1
ARTERIOSCLEROSIS (440).....	9	14.6	9	15.8	-	-	56	20.9
OTHER DISEASES OF ARTERIES, ARTERIOLES AND CAPILLARIES (441-448).....	10	16.2	6	10.5	2	27.4	21	7.8
VENOUS THROMBOSIS & EMBOLISM (451-453).....	1	1.6	1	1.8	-	-	1	.4
PNEUMONIA (480-486).....	22	35.7	18	31.6	2	27.4	57	21.3
INFLUENZA (487).....	1	1.6	1	1.8	-	-	2	.7
BRONCHITIS, EMPHYSEMA, ASTHMA AND COPD (490-496).....	33	53.5	25	43.9	4	54.8	132	49.3
GASTRIC, DUODENAL, OR PEPTIC ULCER (531-533).....	3	4.9	1	1.8	-	-	9	3.4
HERNIA & INTESTINAL OBSTRUCTION (550-553, 560).....	-	-	1	1.8	-	-	4	1.5
CIRRHOSIS OF THE LIVER (571).....	5	8.1	7	12.3	-	-	23	8.6
ALCOHOLIC CIRRHOSIS (571.0-571.3).....	5	8.1	7	12.3	-	-	16	6.0
DISEASES OF THE GALLBLADDER (574-576).....	-	-	4	7.0	-	-	7	2.6
DISEASES OF THE PANCREAS (577).....	-	-	-	-	-	-	2	.7
INFECTIONS OF THE KIDNEY (590).....	1	1.6	-	-	-	-	1	.4
DISEASES OF MALE GENITAL ORGANS (600-608).....	-	-	1	1.8	1	13.7	2	.7
DISEASES OF THE UTERUS AND OTHER FEMALE GENITAL ORGANS (614-629).....	1	1.6	-	-	-	-	1	.4
COMPLICATIONS OF PREGNANCY, CHILDBIRTH & THE PUERPERIUM (630-676).....	-	-	-	-	-	-	-	-
CONGENITAL ANOMALIES (740-759).....	4	6.5	3	5.3	-	-	13	5.6
CERTAIN CAUSES IN EARLY INFANCY (760-779).....	4	6.5	3	5.3	-	-	18	6.7
SENILITY (797).....	-	-	-	-	-	-	-	-
SUDDEN INFANT DEATH SYNDROME (798.0).....	4	6.5	3	5.3	1	13.7	9	3.4
ALL OTHER NATURAL CAUSES.....	100	162.1	84	147.6	8	109.6	324	121.0
ACCIDENTS (800-949).....	38	61.6	37	65.0	2	27.4	100	37.4
MOTOR VEHICLE ACCIDENTS (810-825).....	20	32.4	24	42.2	1	13.7	60	22.4
SUICIDES (950-959).....	9	14.6	5	8.8	3	41.1	45	16.8
HOMICIDES (960-978).....	2	3.2	6	10.5	-	-	11	4.1
INJURIES UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED (980-989).....	-	-	-	-	-	-	2	.7

NOTE: - INDICATES QUANTITY EQUALS ZERO.

TABLE 4-21. DEATHS BY SELECTED CAUSES BY COUNTY, OREGON RESIDENTS, 1987, CONTINUED

SELECTED CAUSES OF DEATH	COUNTY OF RESIDENCE							
	LINCOLN		LINN		MALHEUR		MARION	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL.....	430	1143.6	813	934.5	240	905.7	1,994	929.6
TUBERCULOSIS (010-018, 137).....	-	-	1	1.1	-	-	2	.9
SEPTICEMIA (038).....	2	5.3	2	2.3	1	3.8	12	5.6
MEASLES (055).....	-	-	-	-	-	-	-	-
VIRAL HEPATITIS (070).....	1	2.7	1	1.1	2	7.5	-	-
OTHER INFECTIVE & PARASITIC DISEASES (RESIDUAL 001-139).....	-	-	4	4.6	-	-	5	2.3
MALIGNANT NEOPLASMS (140-208).....	107	284.6	165	189.7	51	192.5	444	207.0
BUCCAL CAVITY & PHARYNX (140-149).....	5	13.3	-	-	1	3.8	8	3.7
DIGESTIVE ORGANS & PERITONEUM (150-159).....	18	47.9	29	33.3	7	26.4	99	46.2
LARGE INTESTINE (153).....	6	16.0	15	17.2	3	11.3	44	20.5
PANCREAS (157).....	6	16.0	3	3.4	2	7.5	22	10.3
RESPIRATORY/INTRATHORACIC ORGANS (160-165).....	39	103.7	53	60.9	12	45.3	146	67.1
BRONCHUS AND LUNG (162.2-162.9).....	39	103.7	53	60.9	11	41.5	139	64.8
MALIGNANT MELANOMA (172).....	1	2.7	2	2.3	1	3.8	4	1.9
OTHER SKIN (173).....	1	2.7	1	1.1	-	-	4	1.9
BREAST (174-175).....	7	18.6	19	21.8	6	22.6	37	17.2
GENITAL ORGANS (179-187).....	8	21.3	31	35.6	11	41.5	49	22.8
CERVIX & UTERUS (179-182).....	2	5.3	6	6.9	2	7.5	13	6.1
OVARY (183.0).....	3	8.0	5	5.7	3	11.3	13	6.1
PROSTATE (185).....	3	8.0	20	23.0	6	22.6	22	10.3
URINARY ORGANS (188-189).....	4	10.6	5	5.7	4	15.1	20	9.3
LEUKEMIA (204-208).....	4	10.6	6	6.9	5	18.9	23	10.7
BENIGN NEOPLASMS (210-229).....	1	2.7	-	-	-	-	2	.9
IN SITU, UNCERTAIN BEHAVIOR & UNSPECIFIED NATURE NEOPLASMS (230-239).....	-	-	-	-	-	-	1	.5
DIABETES MELLITUS (250).....	8	21.3	17	19.5	6	22.6	28	13.1
NUTRITIONAL DEFICIENCIES (260-269).....	1	2.7	2	2.3	-	-	1	.5
ANEMIAS (280-285).....	-	-	2	2.3	2	7.5	2	.9
ALCOHOLIC PSYCHOSES & ALCOHOLISM (291, 303).....	-	-	-	-	-	-	8	3.7
DRUG DEPENDENCE (304).....	-	-	-	-	-	-	-	-
MENINGITIS (302-322).....	-	-	1	1.1	-	-	2	.9
ALZHEIMER'S DISEASE (331).....	2	5.3	9	10.3	1	3.8	19	8.9
PARKINSON'S DISEASE (332).....	3	8.0	6	6.9	-	-	12	5.6
EPILEPSY (345).....	-	-	-	-	2	7.5	4	1.9
MAJOR CARDIOVASCULAR DISEASES (390-448).....	197	523.9	380	436.8	115	434.0	925	431.2
DISEASES OF THE HEART (390-398, 402, 404-429).....	145	385.6	281	323.0	87	328.3	710	331.0
RHEUMATIC FEVER & CHRONIC RHEUMATIC HEART DISEASE (390-398).....	2	5.3	2	2.3	3	11.3	9	4.2
HYPERTENSIVE HEART DISEASE WITH OR WITHOUT RENAL DISEASE (402, 404).....	4	10.6	5	5.7	-	-	24	11.2
ISCHEMIC HEART DISEASE (410-414).....	109	289.9	220	252.9	66	249.1	536	249.9
MYOCARDIAL INFARCTION (410).....	31	82.4	89	102.3	20	75.5	202	94.2
OTHER ACUTE & SUBACUTE (411).....	1	2.7	-	-	-	-	1	.5
CHRONIC ISCHEMIC HEART DISEASE (412-414).....	77	204.8	131	150.6	46	173.6	333	155.2
ALL OTHER FORMS (415-429).....	30	79.8	54	62.1	18	67.9	141	65.7
HYPERTENSION (401, 403).....	1	2.7	7	8.0	1	3.8	10	4.7
CEREBROVASCULAR DISEASE (430-438).....	32	85.1	61	70.1	21	79.2	155	72.3
SUBARACHNOID HEMORRHAGE (430).....	-	-	3	3.4	1	3.8	4	1.9
INTRACEREBRAL & INTRACRANIAL HEMORRHAGES (431-432).....	7	18.6	9	10.3	2	7.5	8	3.7
CEREBRAL THROMBOSIS & EMBOLISM (434).....	5	13.3	9	10.3	1	3.8	31	14.5
ACUTE BUT ILL-DEFINED CEREBROVASCULAR DISEASE (436).....	17	45.2	39	44.8	15	56.6	97	45.2
GENERALIZED ISCHEMIC CEREBROVASCULAR DISEASE (437).....	3	8.0	1	1.1	1	3.8	8	3.7
ARTERIOSCLEROSIS (440).....	9	23.9	18	20.7	5	18.9	30	14.0
OTHER DISEASES OF ARTERIES, ARTERIOLES AND CAPILLARIES (441-448).....	10	26.6	13	14.9	1	3.8	20	9.3
VENOUS THROMBOSIS & EMBOLISM (451-453).....	1	2.7	-	-	-	-	1	.5
PNEUMONIA (480-486).....	8	21.3	32	36.8	5	18.9	58	27.0
INFLUENZA (487).....	-	-	1	1.1	-	-	5	2.3
BRONCHITIS, EMPHYSEMA, ASTHMA AND COPD (490-496).....	24	63.8	35	40.2	11	41.5	87	40.6
GASTRIC, DUODENAL, OR PEPTIC ULCER (531-533).....	1	2.7	4	4.6	-	-	2	.9
HERNIA & INTESTINAL OBSTRUCTION (550-553, 560).....	-	-	1	1.1	1	3.8	8	3.7
CIRRHOSIS OF THE LIVER (571).....	4	10.6	5	5.7	4	15.1	15	7.0
ALCOHOLIC CIRRHOSIS (571.0-571.3).....	4	10.6	5	5.7	3	11.3	10	4.7
DISEASES OF THE GALLBLADDER (574-576).....	-	-	1	1.1	-	-	3	1.4
DISEASES OF THE PANCREAS (577).....	-	-	1	1.1	-	-	1	.5
INFECTIONS OF THE KIDNEY (590).....	1	2.7	1	1.1	-	-	3	1.4
DISEASES OF MALE GENITAL ORGANS (600-608).....	-	-	1	1.1	-	-	-	-
DISEASES OF THE UTERUS AND OTHER FEMALE GENITAL ORGANS (614-629).....	-	-	-	-	-	-	-	-
COMPLICATIONS OF PREGNANCY, CHILDBIRTH & THE PUERPERIUM (630-676).....	-	-	-	-	-	-	-	-
CONGENITAL ANOMALIES (740-759).....	2	5.3	6	6.9	1	3.8	15	7.0
CERTAIN CAUSES IN EARLY INFANCY (760-779).....	2	5.3	5	5.7	3	11.3	13	6.1
SENILITY (797).....	1	2.7	-	-	-	-	2	.9
SUDDEN INFANT DEATH SYNDROME (798.0).....	-	-	8	9.2	1	3.8	11	5.1
ALL OTHER NATURAL CAUSES.....	62	164.9	117	134.5	54	128.3	292	136.1
ACCIDENTS (800-949).....	21	55.9	58	66.7	11	41.5	104	48.5
MOTOR VEHICLE ACCIDENTS (810-825).....	10	26.6	33	37.9	2	7.5	63	29.4
SUICIDES (950-959).....	7	18.6	11	12.6	7	26.4	21	9.8
HOMICIDES (960-978).....	-	-	2	2.3	-	-	14	6.3
INJURIES UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLECTED (980-989).....	-	-	-	-	-	-	6	2.8

NOTE: - INDICATES QUANTITY EQUALS ZERO.

TABLE 4-21. DEATHS BY SELECTED CAUSES BY COUNTY, OREGON RESIDENTS, 1987, CONTINUED

SELECTED CAUSES OF DEATH	COUNTY OF RESIDENCE							
	MORRISON		MULTNOMAH		POLK		SHERMAN	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL.....	64	800.0	5,743	1021.9	405	884.3	7	333.3
TUBERCULOSIS (010-018, 137).....	-	-	5	.9	-	-	-	-
SEPTICEMIA (038).....	-	-	21	3.7	2	4.4	-	-
MEASLES (055).....	-	-	-	-	-	-	-	-
VIRAL HEPATITIS (070).....	-	-	6	1.1	-	-	-	-
OTHER INFECTIVE & PARASITIC DISEASES (RESIDUAL 001-139).....	-	-	56	10.0	4	8.7	-	-
MALIGNANT NEOPLASMS (140-208).....	13	162.5	1,273	226.5	89	194.3	3	142.9
BUCCAL CAVITY & PHARYNX (140-149).....	-	-	29	5.2	-	-	-	-
DIGESTIVE ORGANS & PERITONEUM (150-159).....	3	37.5	285	50.7	14	30.6	1	47.6
LARGE INTESTINE (153).....	2	25.0	108	19.2	3	6.6	1	47.6
PANCREAS (157).....	1	12.5	60	10.7	6	13.1	-	-
RESPIRATORY/INTRATHORACIC ORGANS (160-165).....	7	87.5	386	68.7	22	48.0	2	95.2
BRONCHUS AND LUNG (162.2-162.9).....	7	87.5	369	65.7	20	43.7	2	95.2
MALIGNANT MELANOMA (172).....	-	-	18	3.2	3	6.6	-	-
OTHER SKIN (173).....	-	-	7	1.2	-	-	-	-
BREAST (174-175).....	-	-	112	19.9	6	13.1	-	-
GENITAL ORGANS (179-187).....	2	25.0	135	24.0	16	34.9	-	-
CERVIX & UTERUS (179-182).....	-	-	28	5.0	3	6.6	-	-
OVARY (183.0).....	-	-	39	6.9	2	4.4	-	-
PROSTATE (185).....	2	25.0	62	11.0	11	24.0	-	-
URINARY ORGANS (188-189).....	-	-	45	8.0	2	4.4	-	-
LEUKEMIA (204-208).....	-	-	42	7.5	6	13.1	-	-
IN SITU, UNCERTAIN BEHAVIOR & UNSPECIFIED MATURE NEOPLASMS (230-239).....	-	-	5	.9	-	-	-	-
DIABETES MELLITUS (250).....	-	-	20	3.6	-	-	-	-
NUTRITIONAL DEFICIENCIES (260-269).....	-	-	78	13.9	5	10.9	-	-
ANEMIAS (280-285).....	-	-	6	1.1	-	-	-	-
ALCOHOLIC PSYCHOSES & ALCOHOLISM (291, 303).....	1	12.5	9	1.6	-	-	-	-
DRUG DEPENDENCE (304).....	-	-	36	6.4	2	4.4	-	-
MENINGITIS (302-322).....	-	-	3	.5	-	-	-	-
ALZHEIMER'S DISEASE (331).....	-	-	60	10.7	5	10.9	-	-
PARKINSON'S DISEASE (332).....	-	-	25	4.4	3	6.6	-	-
EPILEPSY (345).....	-	-	3	.5	-	-	-	-
MAJOR CARDIOVASCULAR DISEASES (390-448).....	32	400.0	2,545	452.8	208	454.1	3	142.9
DISEASES OF THE HEART (390-398, 402, 404-429).....	27	337.5	1,827	325.1	159	347.2	2	95.2
RHEUMATIC FEVER & CHRONIC RHEUMATIC HEART DISEASE (390-398).....	-	-	18	3.2	1	2.2	-	-
HYPERTENSIVE HEART DISEASE WITH OR WITHOUT RENAL DISEASE (402, 404).....	-	-	51	9.1	2	4.4	-	-
ISCHEMIC HEART DISEASE (410-414).....	21	262.5	1,334	237.4	114	248.9	2	95.2
MYOCARDIAL INFARCTION (410).....	7	87.5	465	82.7	49	107.0	1	47.6
OTHER ACUTE & SUBACUTE (411).....	-	-	1	.2	-	-	-	-
CHRONIC ISCHEMIC HEART DISEASE (412-414).....	14	175.0	868	154.4	65	141.9	1	47.6
ALL OTHER FORMS (415-429).....	6	75.0	424	75.4	42	91.7	-	-
HYPERTENSION (401, 403).....	-	-	29	5.2	2	4.4	-	-
CEREBROVASCULAR DISEASE (430-438).....	1	12.5	492	87.5	31	67.7	1	47.6
SUBARACHNOID HEMORRHAGE (430).....	-	-	18	3.2	-	-	-	-
INTRACEREBRAL & INTRACRANIAL HEMORRHAGES (431-432).....	-	-	65	11.6	5	10.9	-	-
CEREBRAL THROMBOSIS & EMBOLISM (434).....	-	-	61	10.9	7	15.3	-	-
ACUTE BUT ILL-DEFINED CEREBROVASCULAR DISEASE (436).....	1	12.5	289	51.4	17	37.1	1	47.6
GENERALIZED ISCHEMIC CEREBROVASCULAR DISEASE (437).....	-	-	35	6.2	-	-	-	-
ARTERIOSCLEROSIS (440).....	2	25.0	136	24.2	14	30.6	-	-
OTHER DISEASES OF ARTERIES, ARTERIOLES AND CAPILLARIES (441-448).....	2	25.0	61	10.9	2	4.4	-	-
VENOUS THROMBOSIS & EMBOLISM (451-453).....	1	12.5	10	1.8	-	-	-	-
PNEUMONIA (480-486).....	1	12.5	198	35.2	9	19.7	-	-
INFLUENZA (487).....	-	-	3	.5	2	4.4	-	-
BRONCHITIS, EMPHYSEMA, ASTHMA AND COPD (490-496).....	2	25.0	284	50.5	12	26.2	-	-
GASTRIC, DUODENAL, OR PEPTIC ULCER (531-533).....	-	-	21	3.7	1	2.2	-	-
HERNIA & INTESTINAL OBSTRUCTION (550-553, 560).....	1	12.5	14	2.5	1	2.2	-	-
CIRRHOSIS OF THE LIVER (571).....	-	-	73	13.0	-	-	-	-
ALCOHOLIC CIRRHOSIS (571.0-571.3).....	-	-	63	11.2	-	-	-	-
DISEASES OF THE GALLBLADDER (574-576).....	-	-	5	.9	-	-	1	47.6
DISEASES OF THE PANCREAS (577).....	-	-	4	.7	-	-	-	-
INFECTIONS OF THE KIDNEY (590).....	-	-	4	.7	-	-	-	-
DISEASES OF MALE GENITAL ORGANS (600-608).....	-	-	1	.2	-	-	-	-
DISEASES OF THE UTERUS AND OTHER FEMALE GENITAL ORGANS (614-629).....	-	-	-	-	-	-	-	-
COMPLICATIONS OF PREGNANCY, CHILDBIRTH & THE PUERPERIUM (630-676).....	-	-	1	.2	-	-	-	-
CONGENITAL ANOMALIES (740-759).....	-	-	33	5.9	-	-	-	-
CERTAIN CAUSES IN EARLY INFANCY (760-779).....	1	12.5	30	5.3	2	4.4	-	-
SENILITY (797).....	-	-	-	-	-	-	-	-
SUDDEN INFANT DEATH SYNDROME (798.0).....	-	-	25	4.4	4	8.7	-	-
ALL OTHER NATURAL CAUSES.....	12	150.0	853	151.8	55	120.1	-	-
ACCIDENTS (800-949).....	5	62.5	231	41.1	23	50.2	-	-
MOTOR VEHICLE ACCIDENTS (810-825).....	3	37.5	109	19.4	13	28.4	-	-
SUICIDES (950-959).....	-	-	101	18.0	4	8.7	-	-
HOMICIDES (960-978).....	-	-	78	13.9	3	6.6	-	-
INJURIES UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLECTED (980-989).....	-	-	24	4.3	-	-	-	-

NOTE: - INDICATES QUANTITY EQUALS ZERO.

TABLE 4-21. DEATHS BY SELECTED CAUSES BY COUNTY, OREGON RESIDENTS, 1987, CONTINUED

SELECTED CAUSES OF DEATH	COUNTY OF RESIDENCE							
	YILLAMOOK		UMATILLA		UNION		WALLOWA	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL.....	261	1242.9	538	926.0	188	806.9	49	685.3
TUBERCULOSIS (010-018, 137).....	-	-	-	-	-	-	-	-
SEPTICEMIA (038).....	-	-	1	1.7	2	8.6	-	-
MEASLES (055).....	-	-	-	-	-	-	-	-
VIRAL HEPATITIS (070).....	1	4.8	-	-	-	-	-	-
OTHER INFECTIVE & PARASITIC DISEASES (RESIDUAL 001-139).....	-	-	2	3.4	-	-	-	-
MALIGNANT NEOPLASMS (140-208).....	64	304.8	127	218.6	42	180.3	8	111.9
BUCCAL CAVITY & PHARYNX (140-149).....	2	9.5	3	5.2	-	-	1	14.0
DIGESTIVE ORGANS & PERITONEUM (150-159).....	21	100.0	33	56.8	7	30.0	1	14.0
LARGE INTESTINE (153).....	9	42.9	10	17.2	3	12.9	1	14.0
PANCREAS (157).....	6	28.6	11	18.9	-	-	-	-
RESPIRATORY/INTRATHORACIC ORGANS (160-165).....	21	100.0	33	56.8	13	55.8	1	14.0
BRONCHUS AND LUNG (162.2-162.9).....	19	90.5	30	51.6	12	51.5	1	14.0
MALIGNANT MELANOMA (172).....	3	14.3	3	5.2	-	-	1	14.0
OTHER SKIN (173).....	-	-	-	-	2	8.6	-	-
BREAST (174-175).....	3	14.3	10	17.2	3	12.9	-	-
GENITAL ORGANS (179-187).....	6	28.6	9	15.5	5	21.5	1	14.0
CERVIX & UTERUS (179-182).....	2	9.5	1	1.7	-	-	1	14.0
OVARY (183.0).....	2	9.5	3	5.2	-	-	-	-
PROSTATE (185).....	2	9.5	4	6.9	5	21.5	-	-
URINARY ORGANS (188-189).....	2	9.5	10	17.2	2	8.6	-	-
LEUKEMIA (206-208).....	-	-	7	12.0	1	4.3	-	-
BENIGN NEOPLASMS (210-229).....	-	-	1	1.7	-	-	-	-
IN SITU, UNCERTAIN BEHAVIOR & UNSPECIFIED NATURE NEOPLASMS (230-239).....	1	4.8	-	-	1	4.3	-	-
DIABETES MELLITUS (250).....	5	23.8	5	8.6	1	4.3	-	-
NUTRITIONAL DEFICIENCIES (260-269).....	-	-	-	-	1	4.3	-	-
ANEMIAS (280-285).....	-	-	1	1.7	-	-	-	-
ALCOHOLIC PSYCHOSES & ALCOHOLISM (291, 303).....	1	4.8	5	8.6	-	-	-	-
DRUG DEPENDENCE (304).....	-	-	-	-	-	-	-	-
MENINGITIS (302-322).....	-	-	-	-	-	-	-	-
ALZHEIMER'S DISEASE (331).....	2	9.5	2	3.4	2	8.6	-	-
PARKINSON'S DISEASE (332).....	2	9.5	-	-	2	8.6	-	-
EPILEPSY (345).....	1	4.8	-	-	-	-	-	-
MAJOR CARDIOVASCULAR DISEASES (390-448).....	115	547.6	251	432.0	78	334.8	24	335.7
DISEASES OF THE HEART (390-398, 402, 404-429).....	88	419.0	199	342.5	58	248.9	21	293.7
RHEUMATIC FEVER & CHRONIC RHEUMATIC HEART DISEASE (390-398).....	-	-	1	1.7	-	-	-	-
HYPERTENSIVE HEART DISEASE WITH OR WITHOUT RENAL DISEASE (402,404).....	1	4.8	2	3.4	1	4.3	-	-
ISCHEMIC HEART DISEASE (410-414).....	62	295.2	166	285.7	46	197.4	16	223.8
MYOCARDIAL INFARCTION (410).....	50	142.9	63	108.4	24	103.0	4	55.9
OTHER ACUTE & SUBACUTE (411).....	-	-	-	-	-	-	-	-
CHRONIC ISCHEMIC HEART DISEASE (412-414).....	32	152.4	103	177.3	22	94.4	12	167.8
ALL OTHER FORMS (415-429).....	25	119.0	30	51.6	11	47.2	5	69.9
HYPERTENSION (401, 403).....	3	14.3	3	1.7	-	-	-	-
CEREBROVASCULAR DISEASE (430-438).....	14	66.7	43	74.0	17	73.0	3	42.0
SUBARACHNOID HEMORRHAGE (430).....	1	4.8	2	3.4	1	4.3	-	-
INTRACEREBRAL & INTRACRANIAL HEMORRHAGES (431-432).....	1	4.8	3	5.2	3	12.9	-	-
CEREBRAL THROMBOSIS & EMBOLISM (434).....	2	9.5	10	17.2	-	-	1	14.0
ACUTE BUT ILL-DEFINED CEREBROVASCULAR DISEASE (436).....	9	42.9	23	39.6	11	47.2	2	28.0
GENERALIZED ISCHEMIC CEREBROVASCULAR DISEASE (437).....	-	-	1	1.7	1	4.3	-	-
ARTERIOSCLEROSIS (440).....	4	19.0	3	5.2	2	8.6	-	-
OTHER DISEASES OF ARTERIES, ARTERIOLES AND CAPILLARIES (441-448).....	6	28.6	5	8.6	1	4.3	-	-
VENOUS THROMBOSIS & EMBOLISM (451-453).....	1	4.8	1	1.7	-	-	-	-
PNEUMONIA (480-486).....	8	38.1	10	17.2	10	42.9	6	83.9
INFLUENZA (487).....	-	-	-	-	-	-	-	-
BRONCHITIS, EMPHYSEMA, ASTHMA AND COPD (490-496).....	11	52.4	22	37.9	12	51.5	2	28.0
GASTRIC, DUODENAL, OR PEPTIC ULCER (531-533).....	2	9.5	-	-	2	8.6	-	-
HERNIA & INTESTINAL OBSTRUCTION (550-553, 560).....	2	9.5	4	6.9	-	-	1	14.0
CIRRHOSIS OF THE LIVER (571).....	5	23.8	3	8.6	2	8.6	-	-
ALCOHOLIC CIRRHOSIS (571.0-571.3).....	3	14.3	5	8.6	2	8.6	-	-
DISEASES OF THE GALLBLADDER (574-576).....	-	-	1	1.7	2	8.6	-	-
DISEASES OF THE PANCREAS (577).....	-	-	-	-	-	-	-	-
INFECTIONS OF THE KIDNEY (590).....	-	-	-	-	-	-	-	-
DISEASES OF MALE GENITAL ORGANS (600-608).....	-	-	-	-	-	-	-	-
DISEASES OF THE UTERUS AND OTHER FEMALE GENITAL ORGANS (614-629).....	-	-	-	-	-	-	-	-
COMPLICATIONS OF PREGNANCY, CHILDBIRTH & THE PUERPERIUM (630-676).....	-	-	-	-	-	-	-	-
CONGENITAL ANOMALIES (740-759).....	-	-	2	3.4	1	4.3	-	-
CERTAIN CAUSES IN EARLY INFANCY (760-779).....	2	9.5	6	10.3	-	-	1	14.0
SENILITY (797).....	-	-	-	-	-	-	-	-
SUDDEN INFANT DEATH SYNDROME (798.0).....	1	4.8	4	6.9	2	8.6	-	-
ALL OTHER NATURAL CAUSES.....	35	166.7	84	144.6	28	120.2	7	97.9
ACCIDENTS (800-949).....	13	61.9	35	60.2	15	64.4	1	14.0
MOTOR VEHICLE ACCIDENTS (810-825).....	7	33.3	16	27.5	8	34.3	1	14.0
SUICIDES (950-959).....	3	14.3	4	6.9	2	8.6	-	-
HOMICIDES (960-978).....	2	9.5	4	6.9	-	-	-	-
INJURIES UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLECTED (980-989).....	-	-	-	-	-	-	-	-

NOTE: - INDICATES QUANTITY EQUALS ZERO.

TABLE 4-21. DEATHS BY SELECTED CAUSES BY COUNTY, OREGON RESIDENTS, 1987, CONTINUED

SELECTED CAUSES OF DEATH	COUNTY OF RESIDENCE							
	WASCO		WASHINGTON		WHEELED		YAMHILL	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	250	1225.5	1,873	668.9	15	1071.4	496	849.3
TUBERCULOSIS (010-018, 137).....	-	-	1	.4	-	-	1	1.7
SEPTICEMIA (038).....	-	-	7	2.5	-	-	1	1.7
MEASLES (055).....	-	-	-	-	-	-	-	-
VIRAL HEPATITIS (070).....	-	-	3	1.1	-	-	-	-
OTHER INFECTIVE & PARASITIC DISEASES (RESIDUAL 001-139).....	1	4.9	12	4.3	-	-	3	5.1
MALIGNANT NEOPLASMS (140-208).....	63	308.8	485	173.2	3	214.3	112	191.8
BUCCAL CAVITY & PHARYNX (140-149).....	1	4.9	10	3.6	-	-	-	-
DIGESTIVE ORGANS & PERITONEUM (150-159).....	19	93.1	112	40.0	3	214.3	26	44.5
LARGE INTESTINE (153).....	7	34.3	33	11.8	2	142.9	9	15.4
PANCREAS (157).....	4	19.6	30	10.7	-	-	5	8.6
RESPIRATORY/INTRATHORACIC ORGANS (160-165).....	14	68.6	143	51.1	-	-	29	49.7
BRONCHUS AND LUNG (162.2-162.9).....	13	63.7	136	48.6	-	-	28	47.9
MALIGNANT MELANOMA (172).....	-	-	9	3.2	-	-	-	-
OTHER SKIN (173).....	-	-	-	-	-	-	1	1.7
BREAST (174-175).....	10	49.0	42	15.0	-	-	7	12.0
GENITAL ORGANS (179-187).....	4	19.6	55	19.6	-	-	23	39.4
CERVIX & UTERUS (179-182).....	2	9.8	9	3.2	-	-	4	6.8
OVARY (183.0).....	-	-	14	5.0	-	-	5	8.6
PROSTATE (185).....	2	9.8	29	10.4	-	-	13	22.3
URINARY ORGANS (188-189).....	4	19.6	25	8.9	-	-	3	5.1
LEUKEMIA (204-208).....	2	9.8	18	6.4	-	-	5	8.6
BENIGN NEOPLASMS (210-229).....	-	-	3	1.1	-	-	1	1.7
IN SITU, UNCERTAIN BEHAVIOR & UNSPECIFIED NATURE NEOPLASMS (230-239).....	-	-	2	.7	-	-	-	-
DIABETES MELLITUS (250).....	-	-	29	10.4	-	-	4	6.8
NUTRITIONAL DEFICIENCIES (260-269).....	-	-	1	.4	-	-	-	-
ANEMIAS (280-285).....	1	4.9	4	1.4	-	-	-	-
ALCOHOLIC PSYCHOSES & ALCOHOLISM (291, 303).....	1	4.9	2	.7	-	-	2	3.4
DRUG DEPENDENCE (304).....	-	-	-	-	-	-	-	-
MENINGITIS (302-322).....	-	-	1	.4	-	-	1	1.7
ALZHEIMER'S DISEASE (331).....	-	-	12	4.3	-	-	6	10.3
PARKINSON'S DISEASE (332).....	2	9.8	6	2.1	-	-	2	3.4
EPILEPSY (345).....	-	-	-	-	-	-	-	-
MAJOR CARDIOVASCULAR DISEASES (390-448).....	116	568.6	775	276.8	8	571.4	231	395.5
DISEASES OF THE HEART (390-398, 402, 404-429).....	95	465.7	570	203.6	2	142.9	158	270.5
RHEUMATIC FEVER & CHRONIC RHEUMATIC HEART DISEASE (390-398).....	-	-	4	1.4	-	-	1	1.7
HYPERTENSIVE HEART DISEASE WITH OR WITHOUT RENAL DISEASE (402,404).....	2	9.8	11	3.9	-	-	4	6.8
ISCHEMIC HEART DISEASE (410-414).....	67	328.4	427	152.5	2	142.9	121	207.2
MYOCARDIAL INFARCTION (410).....	27	132.4	155	55.4	1	71.4	45	77.1
OTHER ACUTE & SUBACUTE (411).....	1	4.9	1	.4	-	-	-	-
CHRONIC ISCHEMIC HEART DISEASE (412-414).....	39	191.2	271	96.8	1	71.4	76	130.1
ALL OTHER FORMS (415-429).....	26	127.5	128	45.7	-	-	32	54.8
HYPERTENSION (401, 403).....	-	-	5	1.8	1	71.4	4	6.8
CEREBROVASCULAR DISEASE (430-438).....	16	78.4	154	55.0	5	357.1	55	94.2
SUBARACHNOID HEMORRHAGE (430).....	3	14.7	10	3.6	-	-	1	1.7
INTRACEREBRAL & INTRACRANIAL HEMORRHAGES (431-432).....	1	4.9	15	5.4	1	71.4	6	10.3
CEREBRAL THROMBOSIS & EMBOLISM (434).....	4	19.6	20	7.1	-	-	4	6.8
ACUTE BUT ILL-DEFINED CEREBROVASCULAR DISEASE (436).....	6	29.4	93	33.2	3	214.3	39	66.8
GENERALIZED ISCHEMIC CEREBROVASCULAR DISEASE (437).....	2	9.8	5	1.8	1	71.4	3	5.1
ARTERIOSCLEROSIS (440).....	-	-	27	9.6	-	-	6	10.3
OTHER DISEASES OF ARTERIES, ARTERIOLES AND CAPILLARIES (441-448).....	5	24.5	19	6.8	-	-	8	13.7
VENOUS THROMBOSIS & EMBOLISM (451-453).....	-	-	2	.7	-	-	-	-
PNEUMONIA (480-486).....	20	98.0	53	18.9	1	71.4	11	18.8
INFLUENZA (487).....	-	-	1	.4	-	-	-	-
BRONCHITIS, EMPHYSEMA, ASTHMA AND COPD (490-496).....	18	88.2	103	36.8	2	142.9	25	42.8
GASTRIC, DUODENAL, OR PEPTIC ULCER (531-533).....	-	-	7	2.5	-	-	3	5.1
HERNIA & INTESTINAL OBSTRUCTION (550-553, 560).....	-	-	7	2.5	-	-	-	-
CIRRHOSIS OF THE LIVER (571).....	2	9.8	20	7.1	-	-	-	-
ALCOHOLIC CIRRHOSIS (571.0-571.3).....	1	4.9	16	5.7	-	-	-	-
DISEASES OF THE GALLBLADDER (574-576).....	-	-	1	.4	-	-	-	-
DISEASES OF THE PANCREAS (577).....	-	-	2	.7	-	-	-	-
INFECTIONS OF THE KIDNEY (590).....	-	-	5	1.8	-	-	-	-
DISEASES OF MALE GENITAL ORGANS (600-608).....	-	-	1	.4	-	-	-	-
DISEASES OF THE UTERUS AND OTHER FEMALE GENITAL ORGANS (614-629).....	-	-	-	-	-	-	-	-
COMPLICATIONS OF PREGNANCY, CHILDBIRTH & THE PUERPERIUM (630-676).....	-	-	-	-	-	-	-	-
CONGENITAL ANOMALIES (740-759).....	1	4.9	15	5.4	-	-	2	3.4
CERTAIN CAUSES IN EARLY INFANCY (760-779).....	-	-	23	8.2	-	-	5	8.6
SENILITY (797).....	-	-	2	.7	-	-	-	-
SUDDEN INFANT DEATH SYNDROME (798.0).....	-	-	11	3.9	-	-	-	-
ALL OTHER NATURAL CAUSES.....	25	122.5	269	96.1	1	71.4	85	145.5
ACCIDENTS (800-949).....	8	39.2	90	32.1	1	71.4	25	42.8
MOTOR VEHICLE ACCIDENTS (810-825).....	4	19.6	47	16.8	-	-	15	25.7
SUICIDES (950-959).....	5	24.5	36	12.9	-	-	9	15.4
HOMICIDES (960-978).....	2	9.8	4	1.4	-	-	1	1.7
INJURIES UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLECTED (980-989).....	-	-	6	2.1	-	-	2	3.4

NOTE: - INDICATES QUANTITY EQUALS ZERO.

TABLE 4-22. DEATHS BY SELECTED CAUSES BY RACE, OREGON RESIDENTS, 1987

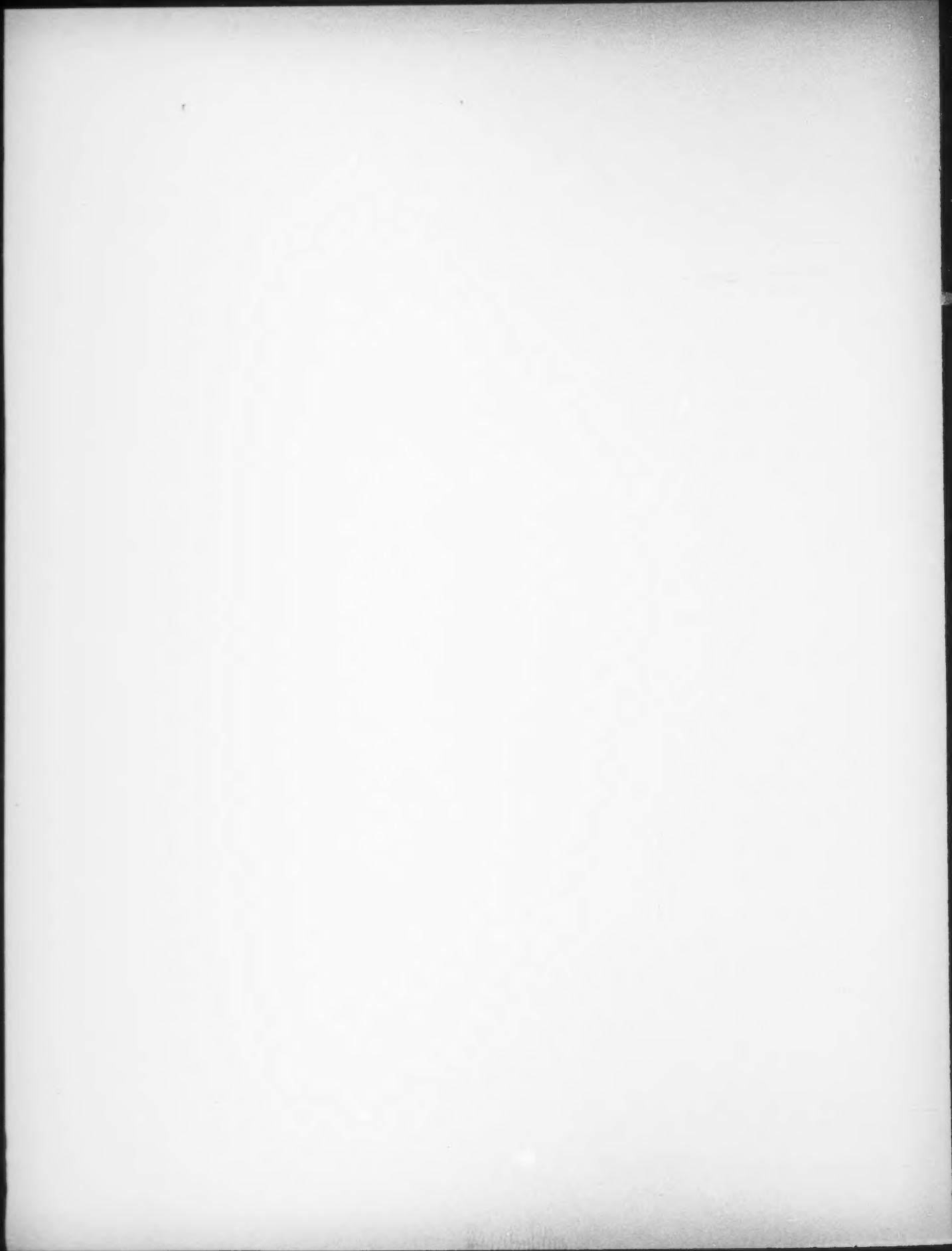
SELECTED CAUSES OF DEATH	RACE							
	OREGON	WHITE	BLACK	INDIAN	CHINESE	JAPANESE	OTHER ASIAN & PACIFIC ISLANDERS	OTHER & NOT STATED
TOTAL.....	24,181	23,577	311	118	43	46	60	26
TUBERCULOSIS (010-018, 137).....	15	13	2	-	-	-	-	-
SEPTICEMIA (038).....	82	80	2	-	-	-	-	-
MEASLES (055).....	-	-	-	-	-	-	-	-
VIRAL HEPATITIS (070).....	21	16	1	2	-	-	2	-
OTHER INFECTIVE & PARASITIC DISEASES (RESIDUAL 001-139).....	145	139	5	1	-	-	-	-
MALIGNANT NEOPLASMS (140-208).....	5,594	5,468	54	18	14	17	14	9
BUCCAL CAVITY & PHARYNX (140-149).....	104	101	2	-	-	1	-	-
DIGESTIVE ORGANS & PERITONEUM (150-159).....	1,287	1,255	13	2	3	8	2	2
LARGE INTESTINE (153).....	494	483	4	1	2	3	-	1
PANCREAS (157).....	302	298	2	1	4	3	3	3
RESPIRATORY/INTRATHORACIC ORGANS (160-165).....	1,671	1,638	14	6	4	10	2	3
BRONCHUS AND LUNG (162.2-162.9).....	1,607	1,577	12	6	4	10	2	3
MALIGNANT MELANOMA (172).....	81	81	-	-	-	-	-	-
OTHER SKIN (173).....	24	24	-	-	-	-	-	-
BREAST (174-175).....	465	457	5	1	1	2	2	1
GENITAL ORGANS (179-187).....	648	632	6	4	1	2	1	1
CERVIX & UTERUS (179-182).....	124	119	1	1	-	1	1	-
OVARY (183.0).....	156	150	1	3	-	-	1	-
PROSTATE (185).....	346	341	4	-	1	-	1	-
URINARY ORGANS (188-189).....	249	245	1	2	-	-	1	-
LEUKEMIA (204-208).....	218	215	1	1	-	-	-	-
BENIGN NEOPLASMS (210-229).....	16	16	-	-	-	-	-	-
IN SITU, UNCERTAIN BEHAVIOR & UNSPECIFIED NATURE NEOPLASMS (230-239).....	41	41	-	-	-	-	-	1
DIABETES MELLITUS (250).....	395	377	12	3	2	-	-	-
NUTRITIONAL DEFICIENCIES (260-269).....	24	24	-	-	-	-	-	-
ANEMIAS (280-285).....	58	56	2	-	-	-	-	-
ALCOHOLIC PSYCHOSES & ALCOHOLISM (291, 303).....	96	93	3	-	-	-	-	-
DRUG DEPENDENCE (304).....	5	5	-	-	-	-	-	-
MENINGITIS (302-322).....	7	7	-	-	-	-	-	-
ALZHEIMER'S DISEASE (331).....	251	249	1	-	1	-	-	-
PARKINSON'S DISEASE (332).....	111	110	-	-	1	-	-	-
EPILEPSY (345).....	18	17	-	-	-	-	-	-
MAJOR CARDIOVASCULAR DISEASES (390-448).....	10,736	10,520	128	34	17	20	11	6
DISEASES OF THE HEART (390-398, 402, 404-429).....	7,946	7,797	84	27	15	11	7	5
RHEUMATIC FEVER & CHRONIC RHEUMATIC HEART DISEASE (390-398).....	70	68	-	2	-	-	-	-
HYPERTENSIVE HEART DISEASE WITH OR WITHOUT RENAL DISEASE (402, 404).....	201	190	8	-	1	1	1	-
ISCHEMIC HEART DISEASE (410-414).....	5,931	5,821	63	21	9	10	3	4
MYOCARDIAL INFARCTION (410).....	2,185	2,152	13	9	5	3	1	2
OTHER ACUTE & SUBACUTE (411).....	8	8	-	-	-	-	-	-
CHRONIC ISCHEMIC HEART DISEASE (412-414).....	3,738	3,661	50	12	4	7	2	2
ALL OTHER FORMS (415-429).....	1,744	1,718	13	4	5	-	3	1
HYPERTENSION (401, 403).....	113	108	5	-	-	-	-	-
CEREBROVASCULAR DISEASE (430-438).....	1,958	1,910	30	5	1	8	3	1
SUBARACHNOID HEMORRHAGE (430).....	79	72	2	3	-	1	-	1
INTRACEREBRAL & INTRACRANIAL HEMORRHAGES (431-432).....	219	214	3	-	1	-	1	-
CEREBRAL THROMBOSIS & EMBOLISM (434).....	266	257	7	1	-	-	1	-
ACUTE BUT ILL-DEFINED CEREBROVASCULAR DISEASE (436).....	1,166	1,143	16	1	-	5	1	-
GENERALIZED ISCHEMIC CEREBROVASCULAR DISEASE (437).....	132	130	-	-	-	2	-	-
ARTERIOSCLEROSIS (440).....	440	433	5	-	1	-	1	-
OTHER DISEASES OF ARTERIES, ARTERIOLES AND CAPILLARIES (441-448).....	279	272	4	2	-	1	-	-
VENOUS THROMBOSIS & EMBOLISM (451-453).....	29	29	-	-	-	-	-	-
PNEUMONIA (480-486).....	726	715	5	4	-	2	-	-
INFLUENZA (487).....	17	16	-	-	-	1	-	-
BRONCHITIS, EMPHYSEMA, ASTHMA AND COPD (490-496).....	1,233	1,224	6	-	2	-	-	1
GASTRIC, DUODENAL, OR PEPTIC ULCER (531-533).....	81	80	-	1	-	-	-	-
HERNIA & INTESTINAL OBSTRUCTION (550-553, 560).....	60	58	-	1	-	-	1	-
CIRRHOSIS OF THE LIVER (571).....	253	240	3	7	1	-	-	-
ALCOHOLIC CIRRHOSIS (571.0-571.3).....	205	196	1	7	1	-	-	-
DISEASES OF THE GALLBLADDER (574-576).....	39	39	-	-	-	-	-	-
DISEASES OF THE PANCREAS (577).....	20	19	1	-	-	-	-	-
INFECTIONS OF THE KIDNEY (590).....	26	26	-	-	-	-	-	-
DISEASES OF MALE GENITAL ORGANS (600-608).....	11	10	1	-	-	-	-	-
DISEASES OF THE UTERUS AND OTHER FEMALE GENITAL ORGANS (614-629).....	4	4	-	-	-	-	-	-
COMPLICATIONS OF PREGNANCY, CHILDBIRTH & THE PUERPERIUM (630-676).....	2	1	1	-	-	-	-	-
CONGENITAL ANOMALIES (740-759).....	142	135	2	4	-	-	1	-
CERTAIN CAUSES IN EARLY INFANCY (760-779).....	160	149	8	1	-	-	2	-
SENILITY (797).....	7	7	-	-	-	-	-	-
SUDDEN INFANT DEATH SYNDROME (798.0).....	115	104	6	2	-	1	2	-
ALL OTHER NATURAL CAUSES.....	3,550	3,405	62	39	5	5	25	9
ACCIDENTS (800-949).....	1,185	1,134	21	15	1	2	10	2
MOTOR VEHICLE ACCIDENTS (810-825).....	642	616	7	10	1	-	6	2
SUICIDES (950-959).....	400	385	5	4	1	1	5	2
HOMICIDES (960-978).....	164	136	13	8	-	-	-	-
INJURIES UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED (980-989).....	55	51	2	1	-	-	-	1

NOTE: - INDICATES QUANTITY IS ZERO.

ALL HISPANIC ENTRIES ARE RECORDED AS WHITE.

OTHER NON-WHITE INCLUDES GROUPS IN WHICH THE STATE TOTAL IS LESS THAN 20 (I.E. HAWAIIAN, FILIPINO).

MARRIAGE & DIVORCE



MARRIAGES AND DIVORCES

Marriages Increase, Divorces Decrease

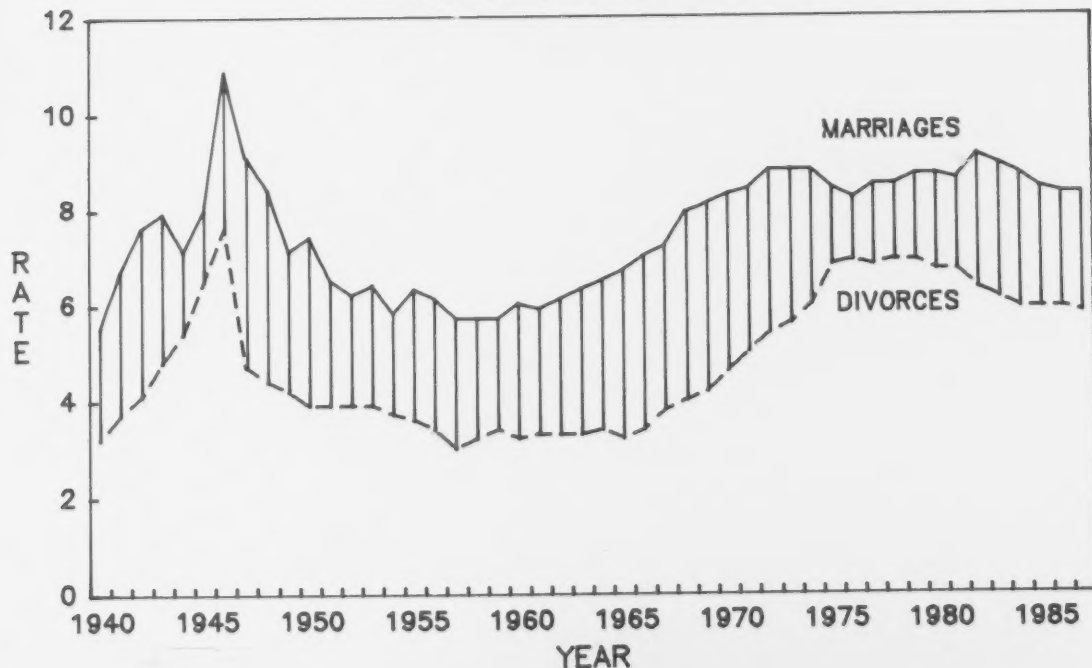
During the last quarter-century the annual marriage rate increased steadily from the early 1960s to the early 1970s, and after reaching a plateau, a slight decrease occurred in 1975 and 1976. From 1977 to the present the marriage rate has fluctuated slightly. In 1987, the marriage rate (8.3) was only 2.4 percent below the 1977 level (8.5). Last year, 22,301 couples were married in Oregon, a 1.3 percent increase from the previous year but a 7.8 percent decline since the 1982 record high of 24,186. However, the highest rate (10.9) was recorded in 1946 (Figure 5-1).

The number of divorces fell slightly in 1987, to 15,602 compared to 15,774 in 1986. Except for two years, divorces have declined annually since the 1980 high of 17,762.

Oregon's marriage rates are consistently lower than the U.S., while our divorce rates are consistently higher. Figure 1-3 illustrates the ratio of divorces to marriages for Oregon and the U.S. since 1975. Oregon's higher ratio could be affected by Oregon residents marrying outside the state.

The most common month of marriage in Oregon was August, while for the U.S., June marriages were most common. Although U.S. divorce figures by month are not available, Oregon's divorce rate shows few differences from month to month.

FIGURE 5-1.
MARRIAGE AND DIVORCE RATES,
OREGON, 1940-1987



Occurrence Figures Yield Low Marriage Rate

Although the marriage and divorce rates are more useful than the absolute number of events, the calculation of rates is considerably more complicated than for the other areas of vital statistics. First, unlike birth and death events, the states do not exchange certificates of residents. Having only the number of events occurring in Oregon rather than resident figures is a serious problem because there may be advantages for marrying out-of-state, but few advantages for divorcing in another state. Oregon has traditionally had stricter requirements (financial and medical) than neighboring states, so many marriages which would normally occur here are counted in Washington, California, Idaho, and Nevada. Oregon's marriage rate was the second lowest rate in the 13 states making up the Mountain and Pacific regions in 1987, while the divorce rate ranked eighth.

Rates by Age for First Marriages Changing

A second factor which makes marriage rates complicated is that the true denominator for the people "at risk of being married" (the number of unmarried people in the population) is available only in census years, and the total population can be a misleading substitute. Figure 5-2 refers to only first marriages of persons 15 to 34 years old and shows the changes which have occurred since 1970. Compared to 17 years ago, the rate of first marriages has declined for those under 25 years of age. This trend is especially strong among teenagers; the rate of first marriages among females declined by 51.7 percent and even more among males, 62.8 percent. In 1987, 63.9 percent of all marriages were first marriages for grooms. The figure was 62.3 percent for brides.

The decreasing rates for 15 to 24 year-olds and the increasing rates for the 25 to 34 year-olds suggest that people may be delaying marriage. This delay, combined with an older population, resulted in an increase in the median age at first marriage from 23.7 in 1980 to 25.0 in 1987 for grooms and from 21.8 to 23.1 for brides.

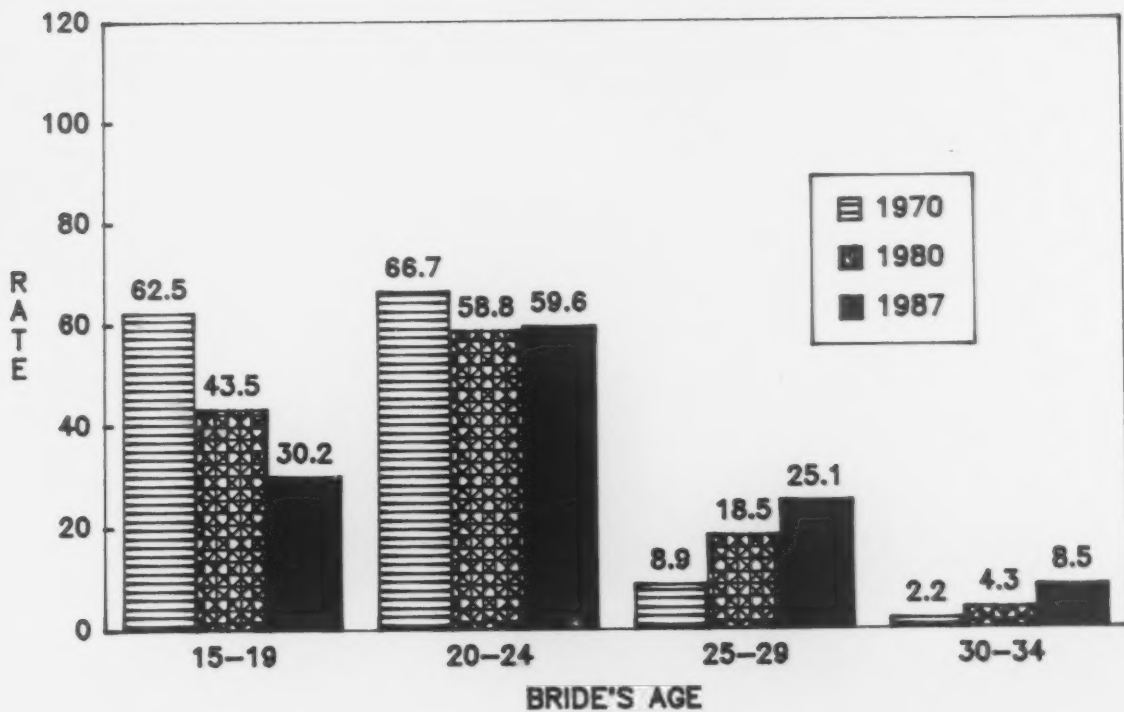
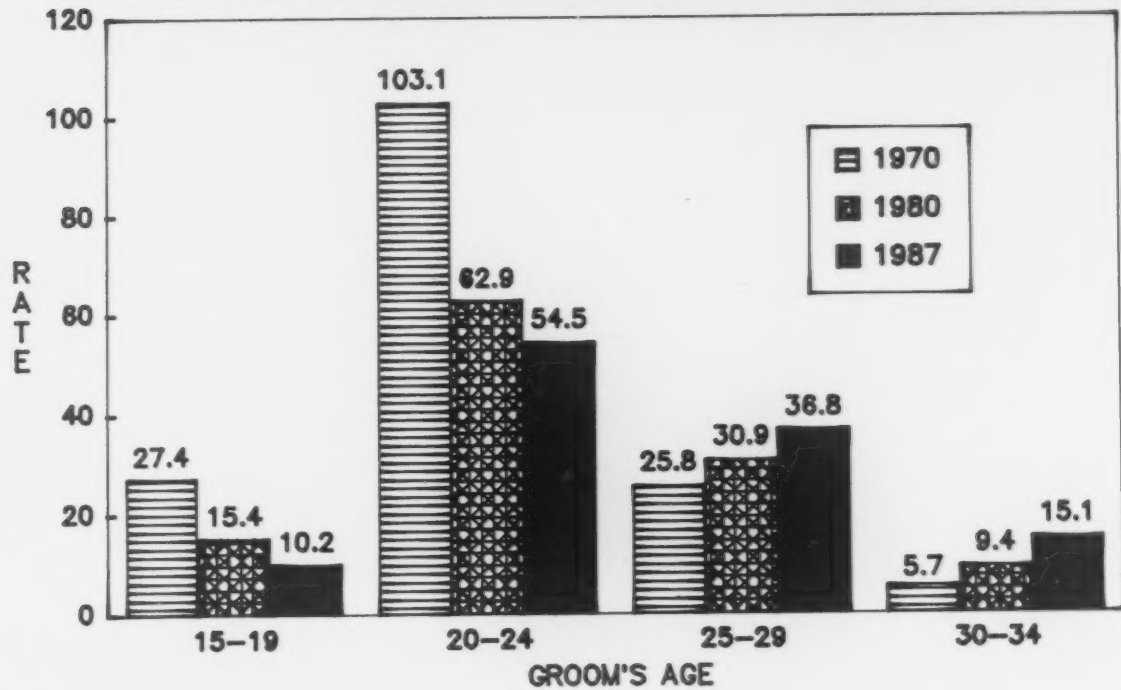
Duration of Marriage Before Divorce Increases

In addition to people marrying at an older age, marriages are lasting longer. Ten years earlier, 43.1 percent of divorces were to people who had been married for less than five years. By 1987, only 36.9 percent of the divorced couples were so categorized.

In 1980, the median duration of marriage prior to the dissolution was 6.1 years. By 1987, the figure stood at 6.7. The duration for first marriages and subsequent marriages increased as well. In 1980, the duration was 7.2 for the first time wives and 7.2 for first time husbands. By 1986, the median duration was 7.8 for wives and 7.7 for husbands.

FIGURE 5-2.

**FIRST MARRIAGE RATES FOR BRIDES AND GROOMS,
SELECTED AGE GROUPS, OREGON, 1970, 1980, & 1987**



Fewer Children Affected by Divorce

The decline of the fertility rate in previous years resulted in fewer children under the age of 18 being affected by divorce. Until 1975, the number of decrees was exceeded by the number of affected children, but both figures increased at a steady rate. After 1975, however, decrees increased through 1980, then decreased through 1984 while the number of children affected by a divorce remained the same or slightly declined. Since 1984, the number of decrees and the number of children affected have changed little. In 1987, 12,643 children were affected by a divorce compared to 13,225 in 1986 (Figure 5-3).

FIGURE 5-3.

DIVORCES AND ANNULMENTS INVOLVING CHILDREN UNDER 18 YEARS OLD, OREGON, 1987

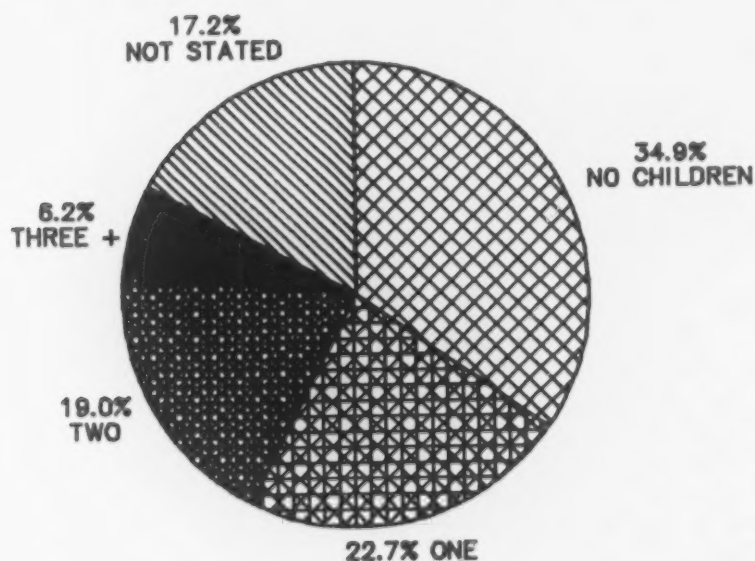


TABLE 5-1. DISSOLUTION OF MARRIAGES AND ANNULMENTS BY NUMBER OF MINOR CHILDREN (UNDER 18 YEARS) AFFECTED, OREGON, 1987

NUMBER OF CHILDREN REPORTED OF THIS MARRIAGE ONLY	TOTAL	PERCENT
TOTAL.....	15,602	100.0
NO CHILDREN.....	5,445	34.9
1 CHILD.....	3,536	22.7
2 CHILDREN.....	2,964	19.0
3 CHILDREN.....	758	4.9
4 CHILDREN.....	174	1.1
5 CHILDREN.....	29	.2
6 CHILDREN.....	8	.1
7 CHILDREN.....	-	-
8 CHILDREN.....	1	.0
9 CHILDREN.....	-	-
10+ CHILDREN.....	-	-
NOT REPORTED.....	2,687	17.2
TOTAL NUMBER OF REPORTED MINOR CHILDREN AFFECTED	12,643	

- QUANTITY IS ZERO

TABLE 5-2. MARRIAGES AND DISSOLUTIONS (INCLUDING ANNULMENTS) BY MONTH OF OCCURRENCE, OREGON, 1987

MONTH OF OCCURRENCE	MARRIAGES		DISSOLUTIONS AND ANNULMENTS	
	NUMBER	RATE 1/	NUMBER	RATE 1/
TOTAL.....	22,301	8.3	15,602	5.8
JANUARY....	969	4.4	1,192	5.4
FEBRUARY...	1,496	6.8	1,227	5.5
MARCH.....	1,362	6.1	1,320	6.0
APRIL.....	1,408	6.4	1,294	5.8
MAY.....	2,060	9.3	1,202	5.4
JUNE.....	2,516	11.4	1,357	6.1
JULY.....	2,207	10.0	1,369	6.2
AUGUST.....	3,106	14.0	1,217	5.5
SEPTEMBER..	2,168	9.8	1,266	5.7
OCTOBER....	1,534	6.9	1,310	5.9
NOVEMBER...	1,560	7.0	1,481	6.7
DECEMBER...	1,915	8.6	1,367	6.2

1/ RATES PER 1,000 POPULATION. MONTHLY RATES ARE ANNUAL ESTIMATES BASED ON ONE-TWELFTH OF THE ANNUAL POPULATION

TABLE 5-3. MARRIAGES BY AGE GROUPS AND PREVIOUS MARITAL STATUS OF GROOM, OREGON, 1987

AGE OF GROOM	TOTAL	FIRST MARRIAGE FOR GROOM	PREVIOUS MARITAL STATUS OF GROOM			
			TOTAL	DIVORCED	WIDOWED	UNKNOWN
TOTAL	22,301	13,363	8,907	8,122	785	31
15-19	1,013	1,006	5	5	-	2
20-24	5,911	5,639	261	258	3	11
25-29	5,150	4,014	1,126	1,123	3	10
30-34	3,578	1,799	1,774	1,754	20	5
35-39	2,380	612	1,767	1,734	33	1
40-44	1,531	159	1,370	1,332	38	2
45-49	927	46	881	839	42	-
50-54	544	19	525	469	56	-
55-59	382	19	363	286	77	-
60-64	252	3	249	141	108	-
65-69	213	9	204	80	124	-
70-74	172	4	168	47	121	-
75+	180	4	176	23	153	-
N.S.	68	30	38	31	7	-

- QUANTITY IS ZERO

TABLE 5-4. MARRIAGES BY AGE GROUPS AND PREVIOUS MARITAL STATUS OF BRIDE, OREGON, 1987

AGE OF BRIDE	TOTAL	FIRST MARRIAGE FOR BRIDE	PREVIOUS MARITAL STATUS OF BRIDE			
			TOTAL	DIVORCED	WIDOWED	UNKNOWN
TOTAL	22,301	13,037	9,230	8,364	866	34
15-19	2,879	2,835	34	33	1	10
20-24	6,691	5,892	791	774	17	8
25-29	4,588	2,813	1,769	1,733	36	6
30-34	3,112	1,030	2,078	2,027	51	4
35-39	2,005	312	1,689	1,622	67	4
40-44	1,224	88	1,135	1,071	64	1
45-49	635	19	616	554	62	-
50-54	348	8	340	267	73	-
55-59	220	3	217	128	89	-
60-64	178	7	171	61	110	-
65-69	154	2	152	37	115	-
70-74	101	1	100	9	91	-
75+	96	2	93	12	81	1
N.S.	70	25	45	36	9	-

- QUANTITY IS ZERO

TABLE 5-5. ALL MARRIAGES AND FIRST MARRIAGES FOR BOTH BRIDE AND GROOM BY AGE GROUPS, OREGON, 1987

ALL MARRIAGES															
AGE OF GROOM	AGE OF BRIDE														
	Total	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75+	N.S.
		22,301	2,879	6,691	4,588	3,112	2,005	1,224	635	348	220	178	154	101	96
TOTAL.															
15-19.	1,013	758	221	20	7	5	1	1	-	-	-	-	-	-	-
20-24.	5,911	1,716	3,432	566	138	37	16	2	1	1	1	-	-	-	-
25-29.	5,150	311	2,139	1,896	592	167	37	5	4	1	-	-	-	-	-
30-34.	3,578	65	611	1,293	1,093	391	200	23	7	2	-	-	-	-	-
35-39.	2,380	19	196	522	778	597	357	115	24	6	-	-	-	-	-
40-44.	1,531	4	62	192	331	439	265	165	45	16	2	1	-	-	-
45-49.	927	3	17	65	111	234	136	140	82	19	11	4	-	-	-
50-54.	544	1	8	17	39	87	78	80	96	61	16	8	-	-	-
55-59.	382	-	1	4	12	22	20	26	54	53	53	16	20	4	-
60-64.	252	-	-	1	5	13	10	15	22	31	58	41	36	16	-
65-69.	213	-	-	1	2	7	8	2	6	19	25	52	41	69	3
70-74.	172	-	-	2	1	5	1	1	5	12	12	32	41	-	-
75+...	180	-	-	2	1	1	-	2	1	-	-	-	-	-	-
N.S....	68	2	3	-	1	1	-	-	-	-	-	-	-	-	56

FIRST MARRIAGES															
AGE OF GROOM	AGE OF BRIDE														
	Total	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75+	N.S.
		10,571	2,639	5,076	2,032	607	155	28	9	3	1	2	1	0	1
TOTAL.															
15-19.	967	753	203	9	0	2	0	0	-	-	-	-	-	-	-
20-24.	5,032	1,624	3,024	347	29	4	1	0	0	0	1	-	-	-	-
25-29.	3,035	235	1,522	1,085	174	20	6	2	0	0	-	-	-	-	-
30-34.	1,092	21	270	482	265	48	4	2	1	0	-	-	-	-	-
35-39.	1,320	6	44	84	118	58	6	2	0	0	-	-	-	-	-
40-44.	68	0	8	20	15	17	4	1	0	0	0	0	-	-	-
45-49.	18	0	2	2	4	5	2	1	0	0	0	0	-	-	-
50-54.	7	0	2	0	2	0	2	1	2	0	0	0	-	-	-
55-59.	5	-	0	0	0	0	0	0	0	0	0	0	-	-	-
60-64.	3	-	-	0	0	0	1	0	0	1	1	0	-	-	-
65-69.	2	-	-	0	0	1	0	0	0	0	0	0	-	-	-
70-74.	2	-	-	0	0	0	0	0	0	0	0	0	-	-	-
75+...	20	2	1	1	2	0	-	0	0	0	-	-	-	-	15
N.S....	20	2	1	2	0	0	-	0	0	0	-	-	-	-	15

- QUANTITY IS ZERO

TABLE 5-6. MARRIAGES BY COUNTY OF OCCURRENCE BY AGE GROUPS OF BRIDE, OREGON, 1987

COUNTY OF OCCURRENCE	ALL AGES	AGE OF BRIDE													75+	70-74	65-69	60-64	55-59	50-54	45-49	40-44	35-39	30-34	25-29	20-24	15-19																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
TOTAL.....	22,301	2,879	6,691	4,588	3,112	2,005	1,224	635	348	220	178	154	101	96																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					</

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TABLE 5-7. MARRIAGES BY COUNTY OF OCCURRENCE BY AGE GROUPS OF GROOM, OREGON, 1987

COUNTY OF OCCURRENCE	ALL AGES	AGE OF GROOM											75+	N.S.
		15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	
TOTAL.....	22,301	1,013	5,911	5,150	3,578	2,380	1,531	927	544	382	252	213	172	180
BAKER.....	106	7	31	20	16	7	6	8	6	3	-	1	-	1
BENTON.....	429	18	112	98	86	53	26	10	5	8	3	5	2	2
CLACKAMAS...	1,947	73	542	449	314	194	155	87	37	30	22	19	8	14
CLATSOP.....	360	13	88	92	50	55	18	21	8	3	3	4	2	2
COLUMBIA.....	252	11	94	47	36	22	16	5	13	5	2	1	2	2
COOS.....	524	28	146	126	90	39	21	27	13	12	7	5	8	2
CROOK.....	135	9	44	23	20	9	10	9	5	2	2	1	1	2
CURRY.....	179	10	44	32	25	20	13	8	7	7	8	6	4	3
DESCHUTES...	641	36	153	119	118	83	53	22	14	15	8	8	6	3
DOUGLAS.....	838	74	234	176	101	64	64	37	24	25	14	11	6	8
GILLIAM.....	8	1	2	1	2	-	-	1	-	-	1	-	1	1
GRANT.....	52	3	15	12	9	6	1	1	-	2	1	-	-	-
HARNEY.....	45	2	15	8	7	4	3	3	1	-	1	-	1	1
HOOD RIVER...	175	10	36	41	37	17	11	8	3	2	5	4	-	-
JACKSON.....	1,174	60	324	257	161	110	94	71	29	19	13	14	11	10
JEFFERSON...	111	7	23	19	24	13	7	9	7	1	1	1	2	1
JOSEPHINE...	480	32	117	79	67	54	46	28	14	9	9	10	6	9
KLAMATH.....	403	31	147	75	42	35	30	13	9	7	3	6	2	2
LAKE.....	57	7	14	13	6	3	4	4	4	-	-	1	1	-
LANE.....	2,319	114	597	521	358	277	163	89	69	50	26	15	21	16
LINCOLN.....	466	20	76	96	91	65	33	24	21	11	5	7	9	8
LINN.....	801	47	259	199	97	58	34	33	14	15	8	4	6	7
MALHEUR.....	181	19	68	43	22	10	7	5	2	4	2	-	2	2
MARION.....	1,909	102	577	421	279	175	112	70	55	31	20	19	25	20
MORROW.....	56	2	20	14	7	4	3	2	2	-	-	-	1	1
MULTNOMAH...	5,009	105	1,107	1,301	981	641	367	195	106	65	50	38	27	23
POLK.....	238	13	79	41	31	26	14	10	8	4	4	2	1	5
SHERMAN.....	6	-	-	2	1	-	1	8	10	8	1	6	2	-
TILLAMOOK...	179	8	36	41	21	19	12	19	7	9	7	2	1	4
UMATILLA...	441	25	139	94	65	43	24	19	17	9	7	2	4	1
UNION.....	165	6	46	38	25	17	11	7	7	2	-	1	4	1
WALLOWA.....	60	-	9	7	4	4	6	2	1	-	1	-	2	-
WASCO.....	189	7	57	44	19	18	16	11	3	4	2	4	6	3
WASHINGTON..	1,870	79	513	481	291	201	122	72	37	26	17	11	6	14
WHEELER.....	13	2	2	2	1	1	-	1	1	-	2	1	-	-
YAMHILL.....	483	32	145	118	74	34	28	11	11	7	9	6	3	5

- QUANTITY IS ZERO

TABLE 5-8. DISSOLUTION OF MARRIAGES AND ANNULMENTS BY AGE OF HUSBAND AND WIFE AND DURATION OF MARRIAGE, OREGON, 1987

AGE AT DIVORCE	TOTAL	DURATION OF MARRIAGE					
		UNDER 1 YEAR	1 - 4 YEARS	5 - 9 YEARS	10 - 19 YEARS	20 + YEARS	NOT STATED
TOTAL FOR HUSBAND....	15,602	553	5,204	4,498	3,595	1,608	144
15-19.....	65	19	43	1	-	-	2
20-24.....	1,287	84	1,031	159	1	-	12
25-29.....	2,787	77	1,353	1,217	109	-	31
30-34.....	2,013	71	916	1,196	799	-	31
35-39.....	2,852	61	662	815	1,226	65	23
40-44.....	2,080	49	415	455	737	407	17
45-49.....	1,304	42	264	256	279	454	9
50-54.....	768	34	165	137	154	275	3
55-59.....	480	25	92	90	100	169	4
60-64.....	317	24	66	45	63	115	4
65-69.....	188	23	49	35	35	45	1
70-74.....	122	18	35	12	24	31	2
75+.....	110	13	33	18	17	26	3
N.S.....	229	13	80	62	51	21	2
TOTAL FOR WIFE.....	15,602	553	5,204	4,498	3,595	1,608	144
15-19.....	254	45	203	2	-	-	4
20-24.....	2,251	95	1,589	539	3	-	25
25-29.....	3,209	82	1,238	1,552	308	-	29
30-34.....	2,993	66	774	1,037	1,092	2	22
35-39.....	2,711	88	535	626	1,244	189	29
40-44.....	1,766	49	348	333	496	531	9
45-49.....	939	34	173	146	175	405	6
50-54.....	481	24	103	72	84	194	4
55-59.....	284	18	53	44	45	120	4
60-64.....	203	17	47	28	44	66	1
65-69.....	128	16	30	14	23	42	3
70-74.....	61	3	16	13	9	19	1
75+.....	54	7	15	9	12	10	1
N.S.....	268	9	80	83	60	30	6

- QUANTITY IS ZERO

TABLE 5-9. DISSOLUTION OF MARRIAGES AND ANNULMENTS BY AGE OF HUSBAND AND WIFE AND ORDER OF MARRIAGE, OREGON, 1987

AGE AT DIVORCE	TOTAL	ORDER OF MARRIAGE				
		FIRST	SECOND	THIRD	FOUR+	N.S.
TOTAL FOR HUSBAND..	15,602	9,174	3,565	1,137	472	1,248
15-19.....	65	62	-	-	-	3
20-24.....	1,287	1,200	19	1	-	67
25-29.....	2,787	2,296	282	24	6	179
30-34.....	3,013	2,075	628	88	10	211
35-39.....	2,852	1,521	830	225	55	220
40-44.....	2,080	897	706	232	76	168
45-49.....	1,304	498	422	193	85	105
50-54.....	768	263	241	121	90	53
55-59.....	480	130	161	93	51	44
60-64.....	317	87	96	60	32	42
65-69.....	188	29	54	47	30	28
70-74.....	122	20	52	22	12	16
75+.....	110	13	40	20	20	16
N.S.....	229	83	34	11	5	96
TOTAL FOR WIFE.....	15,602	9,205	3,841	1,241	490	822
15-19.....	254	239	2	-	-	13
20-24.....	2,251	1,998	142	10	1	99
25-29.....	3,209	2,426	553	63	9	158
30-34.....	2,993	1,720	886	209	44	134
35-39.....	2,711	1,269	877	299	117	147
40-44.....	1,766	715	600	264	110	77
45-49.....	939	384	273	157	75	50
50-54.....	481	165	151	83	60	22
55-59.....	284	97	101	53	21	12
60-64.....	203	40	79	37	28	19
65-69.....	128	25	58	27	11	7
70-74.....	61	12	27	15	4	3
75+.....	54	4	28	11	4	7
N.S.....	268	111	64	13	6	74

- QUANTITY IS ZERO

TABLE 5-10. DISSOLUTION OF MARRIAGES BY COUNTY OF OCCURRENCE BY AGE GROUPS OF WIFE, OREGON, 1987

COUNTY OF OCCURRENCE	ALL AGES	AGE OF WIFE												75+	N.S.
		15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74		
TOTAL.....	15,602	254	2,251	3,209	2,993	2,711	1,766	939	481	284	203	128	61	54	268
BAKER.....	102	4	12	27	20	14	10	8	5	1	-	1	-	-	-
BENTON.....	312	2	35	62	65	72	27	16	7	7	4	5	3	1	6
CLACKAMAS...	988	6	113	168	178	199	138	92	37	16	14	8	6	2	11
CLATSOP.....	225	5	36	48	49	35	20	12	7	5	4	2	2	-	6
COLUMBIA.....	414	7	64	90	75	69	63	18	5	8	4	3	2	-	3
COOS.....	365	3	59	74	71	50	45	23	12	11	7	3	2	2	3
CROOK.....	83	2	10	18	22	8	5	6	4	1	2	1	2	-	2
CURRY.....	91	2	16	17	11	18	5	6	5	2	3	3	2	1	1
DESCHUTES...	236	3	37	42	47	43	35	8	10	3	2	3	2	1	1
DOUGLAS.....	516	14	74	95	93	79	59	40	22	16	11	4	-	2	7
GILLIAM.....	6	-	1	-	1	1	1	1	-	1	-	-	-	-	-
GRANT.....	66	1	12	19	11	13	3	2	2	-	1	2	-	-	-
HARNEY.....	40	2	7	9	10	3	6	1	-	-	-	1	1	1	15
HOOD RIVER..	466	2	70	102	81	88	47	29	16	4	5	4	3	2	7
JACKSON.....	758	19	122	137	143	132	84	53	26	12	14	7	5	4	15
JEFFERSON...	68	2	18	20	10	10	5	1	2	16	10	2	4	2	3
JOSEPHINE...	691	20	107	110	115	126	83	49	34	16	6	7	4	-	3
KLAMATH.....	390	13	72	65	66	82	48	11	10	6	6	2	4	-	1
LAKE.....	49	-	9	13	5	7	4	8	-	-	-	-	1	1	25
LANE.....	2,091	26	288	431	439	375	232	131	61	32	19	21	7	4	9
LINCOLN.....	203	5	28	40	34	26	24	13	3	10	4	2	2	3	5
LINN.....	479	20	82	96	91	69	41	41	14	5	4	6	2	3	5
MALHEUR.....	141	3	36	26	21	20	17	6	3	1	3	3	-	1	1
MARION.....	900	11	143	196	157	157	92	43	21	24	11	9	3	4	29
MORROW.....	37	2	9	7	9	3	2	2	2	-	-	-	-	1	-
MULTNOMAH...	3,016	35	354	718	642	541	333	146	91	57	39	16	7	1	31
POLK.....	549	3	95	115	94	94	59	36	18	12	5	4	1	3	10
SHERMAN.....	7	-	1	1	1	-	2	2	-	-	-	-	-	-	-
TILLAMOOK...	304	6	44	61	44	36	31	15	11	3	8	1	1	1	43
UMATILLA...	339	6	67	65	56	57	43	21	10	3	6	1	1	-	3
UNION.....	61	3	10	10	12	10	6	1	3	2	1	1	-	-	2
WALLOWA.....	29	1	2	10	4	4	5	1	1	-	1	1	-	-	1
WASCO.....	109	3	17	17	27	12	9	5	2	4	1	1	-	1	9
WASHINGTON..	1,119	16	148	224	219	208	145	65	29	15	10	8	1	6	25
WHEELER.....	9	-	1	1	1	1	1	2	-	7	-	-	-	1	2
YAMHILL.....	343	7	53	75	70	49	36	25	9	7	4	1	3	-	4

- QUANTITY IS ZERO

TABLE 5-11. DISSOLUTION OF MARRIAGES BY COUNTY OF OCCURRENCE BY AGE GROUPS OF HUSBAND, OREGON, 1987

COUNTY OF OCCURRENCE	ALL AGES	AGE OF HUSBAND												75+	N.S.
		15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74		
TOTAL.....	15,602	65	1,287	2,787	3,013	2,852	2,080	1,304	768	480	317	188	122	110	229
BAKER.....	102	-	7	24	21	11	10	12	3	6	5	-	-	-	3
BENTON.....	312	1	11	60	64	78	35	20	14	6	7	4	5	3	4
CLACKAMAS...	988	2	51	145	181	204	160	82	67	41	22	8	8	7	10
CLATSOP.....	225	2	18	46	53	35	21	19	12	7	5	3	3	1	-
COLUMBIA...	414	1	34	80	74	76	61	39	18	10	8	4	4	3	5
COOS.....	365	3	25	68	74	52	41	44	16	15	8	11	4	1	1
CROOK.....	83	-	10	7	23	20	6	4	2	3	5	1	1	1	-
CURRY.....	91	-	8	21	11	13	6	7	9	3	4	3	3	2	1
DESCHUTES...	236	-	24	31	47	52	34	18	12	24	2	6	6	4	3
DOUGLAS...	516	3	44	80	88	97	69	47	29	1	18	4	6	-	3
GILLIAM.....	6	-	-	1	-	-	4	-	-	1	1	-	1	-	-
GRANT.....	66	-	9	15	13	9	6	3	5	1	2	2	-	-	-
HARNEY.....	40	-	5	8	8	4	7	4	-	2	-	1	-	-	1
HOOD RIVER..	466	1	39	94	85	85	58	38	16	13	13	3	4	8	17
JACKSON.....	758	9	77	125	128	142	106	56	42	24	15	12	4	-	10
JEFFERSON...	68	2	11	13	15	9	6	7	3	-	-	1	-	-	1
JOSEPHINE...	691	4	78	101	102	124	97	63	50	23	13	13	6	9	8
KLAMATH.....	390	2	46	65	53	80	61	30	20	13	7	2	5	3	3
LAKE.....	49	-	4	9	9	7	6	6	1	2	1	1	-	2	1
LANE.....	2,091	11	169	350	433	391	292	175	103	59	33	31	13	14	17
LINCOLN.....	203	1	18	34	37	31	23	15	10	8	9	4	4	3	6
LINN.....	479	4	46	94	102	64	60	40	26	14	10	6	5	4	4
MALHEUR.....	141	1	23	32	18	18	19	14	4	3	1	4	2	1	1
MARION.....	900	6	67	189	164	155	111	58	52	28	19	11	5	9	26
MORROW.....	37	1	6	9	9	5	-	2	3	1	-	-	-	1	-
MULTNOMAH..	3,016	6	205	574	643	595	384	246	130	92	54	24	20	16	27
POLK.....	549	2	54	102	109	89	81	45	20	13	17	7	2	3	5
SHERMAN.....	7	-	1	-	1	-	2	2	-	1	-	-	-	-	-
TILLAMOOK...	304	-	19	57	48	45	40	14	15	8	7	4	3	-	4
UMATILLA...	339	-	44	59	50	69	35	41	10	11	8	4	-	-	8
UNION.....	61	-	6	11	12	7	9	4	3	5	2	1	-	-	1
WALLOWA.....	29	-	3	6	11	2	4	2	-	1	-	2	-	-	3
WASCO.....	109	-	9	21	22	17	10	9	8	4	1	7	-	1	3
WASHINGTON..	1,119	2	79	193	223	218	175	103	54	22	14	7	6	8	15
WHEELER.....	9	-	-	1	-	2	2	1	1	-	-	-	-	-	1
YAMHILL.....	343	1	37	62	82	46	39	34	10	12	7	4	3	3	3

- QUANTITY IS ZERO

TABLE 5-12. DISSOLUTIONS AND ANNULMENTS BY DURATION OF MARRIAGE AND ORDER OF MARRIAGE FOR HUSBAND AND WIFE, OREGON, 1987

DURATION OF MARRIAGE	TOTAL	ORDER OF MARRIAGE				
		FIRST	SECOND	THIRD	FOUR+	N.S.
HUSBAND TOTAL.....	15,602	9,174	3,565	1,137	472	1,248
UNDER 1 YEAR.	2,787	1,370	725	303	173	215
1 YEAR.....	1,390	774	323	129	48	116
2 YEARS.....	1,350	757	347	103	39	104
3 YEARS.....	1,217	655	335	95	40	92
4 YEARS.....	1,052	568	272	78	33	101
5 YEARS.....	861	494	202	65	28	72
6 YEARS.....	745	407	210	56	13	59
7 YEARS.....	622	360	154	43	13	52
8 YEARS.....	553	334	124	41	7	46
9 YEARS.....	508	294	125	41	11	37
10-14 YEARS..	1,756	1,155	381	73	21	124
15-19 YEARS..	1,156	850	151	38	16	101
20-24 YEARS..	615	487	69	15	2	42
25-29 YEARS..	311	260	24	4	2	21
30+ YEARS....	330	268	33	10	2	17
N.S.....	349	141	90	43	24	49
WIFE TOTAL.....	15,602	9,205	3,841	1,241	490	822
UNDER 1 YEAR.	2,787	1,292	795	368	184	148
1 YEAR.....	1,390	771	362	135	49	73
2 YEARS.....	1,350	735	364	128	53	69
3 YEARS.....	1,217	686	322	103	39	67
4 YEARS.....	1,052	595	286	87	32	52
5 YEARS.....	861	527	216	63	18	37
6 YEARS.....	745	408	216	62	16	43
7 YEARS.....	622	346	185	40	8	43
8 YEARS.....	553	322	147	49	7	27
9 YEARS.....	508	291	156	36	8	17
10-14 YEARS..	1,756	1,194	371	82	23	85
15-19 YEARS..	1,156	867	186	29	7	67
20-24 YEARS..	615	512	63	10	2	28
25-29 YEARS..	311	268	22	3	4	14
30+ YEARS....	330	267	41	7	-	15
N.S.....	349	124	109	39	40	37

- QUANTITY IS ZERO

TABLE 5-13. DISSOLUTION OF MARRIAGES AND ANNULMENTS BY STATE OR REGION WHERE MARRIAGE OCCURRED BY DURATION OF MARRIAGE, OREGON, 1987

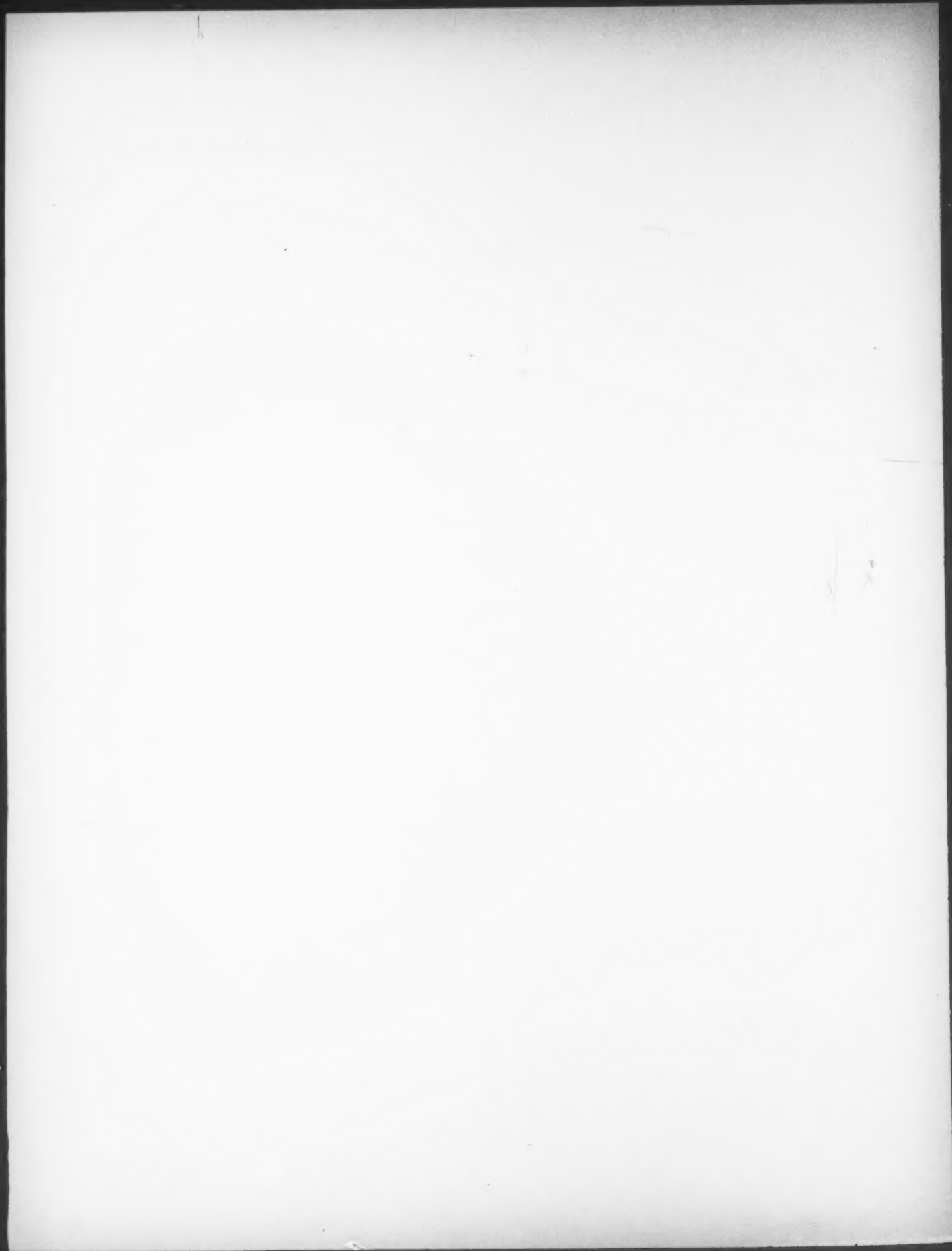
STATE OR REGION OF MARRIAGE	Total	UNDER 1 YEAR	1 - 4 YEARS	5 - 9 YEARS	10 - 19 YEARS	20 + YEARS	NOT STATED
TOTAL.....	15,602	553	5,204	4,498	3,595	1,608	144
NEW ENGLAND.....	62	1	16	14	20	10	1
MIDDLE ATLANTIC.....	112	-	22	27	41	22	-
EAST NORTH CENTRAL..	234	-	35	47	84	68	-
WEST NORTH CENTRAL..	234	2	38	42	84	66	2
SOUTH ATLANTIC.....	210	3	54	59	54	40	-
EAST SOUTH CENTRAL..	54	-	13	12	18	11	-
WEST SOUTH CENTRAL..	169	-	55	46	33	34	1
MOUNTAIN.....	2,687	135	863	772	662	247	8
MONTANA.....	44	-	14	15	8	7	-
IDAHO.....	290	9	100	67	66	47	1
WYOMING.....	24	3	8	5	7	1	-
COLORADO.....	108	-	24	33	34	17	-
NEW MEXICO.....	27	-	8	5	9	5	-
ARIZONA.....	70	1	22	17	21	9	-
UTAH.....	65	1	14	16	22	11	1
NEVADA.....	2,059	121	673	614	495	150	6
PACIFIC.....	11,410	407	4,023	3,381	2,495	1,049	55
OREGON.....	8,452	328	3,252	2,524	1,658	652	38
WASHINGTON.....	1,799	62	556	570	427	173	11
CALIFORNIA.....	1,040	11	171	254	384	215	5
ALASKA.....	64	2	27	18	14	3	-
HAWAII.....	55	4	17	15	12	6	1
CANADA.....	47	-	10	20	7	10	-
MEXICO.....	42	-	5	5	22	9	1
PUERTO RICO.....	2	-	2	-	-	-	-
VIRGIN ISLANDS.....	3	-	2	1	-	-	-
GUAM.....	3	-	2	1	-	-	-
CUBA.....	2	-	-	-	2	-	-
NOT STATED.....	118	2	10	20	10	3	73

- QUANTITY IS ZERO

TABLE 5-14. MEDIAN DURATION OF MARRIAGE BEFORE DIVORCE, OREGON, 1978-1987.

SPOUSE	YEAR	ALL MARRIAGES	ORDER OF MARRIAGE			
			1st	2nd	3rd	4th +
Wife	1978	6.0	7.0	5.7	3.7	2.6
	1979	6.1	7.1	5.1	3.5	2.5
	1980	6.1	7.2	4.9	3.7	2.8
	1981	6.4	7.6	5.1	3.9	2.9
	1982	6.6	7.9	5.2	3.9	3.1
	1983	6.8	8.2	5.7	4.1	3.0
	1984	6.6	7.9	5.6	4.2	3.3
	1985	6.6	7.8	5.8	4.1	3.4
	1986	6.8	7.9	5.9	4.6	3.5
	1987	6.7	7.8	5.9	4.6	3.5
Husband	1978	6.0	6.0	4.7	3.5	3.3
	1979	6.1	7.2	4.9	3.7	2.9
	1980	6.1	7.2	4.7	3.8	2.8
	1981	6.4	7.6	5.1	3.9	3.2
	1982	6.6	7.9	5.2	3.9	3.3
	1983	6.8	8.2	5.6	4.4	3.3
	1984	6.6	7.8	5.5	4.2	3.9
	1985	6.6	7.6	5.7	4.5	4.0
	1986	6.8	7.8	5.7	4.8	3.8
	1987	6.7	7.7	5.9	4.9	3.8

MORBIDITY



MORBIDITY

Incomplete Reporting Causes Incomplete Data

The number of cases reported for each disease category in the following sections probably underestimates the actual number of cases that have occurred during the year. Although reporting of communicable disease by physicians and others is mandatory in Oregon, underreporting frequently occurs because of a break in the chain of events leading to the report of a disease case. This chain includes the occurrence of the disease in an individual patient, the seeking of medical care by that patient, the making of the correct diagnosis by the physician, and the reporting of that diagnosed patient to the local health department. Failure to seek medical care and failure to report diagnosed cases are probably the most common causes of incomplete reporting.

Significant changes in the reporting of certain diseases in Oregon were observed in 1987, as compared to 1986. Upward trends were most significant in early syphilis, congenital syphilis, hepatitis B, pertussis, and tuberculosis.

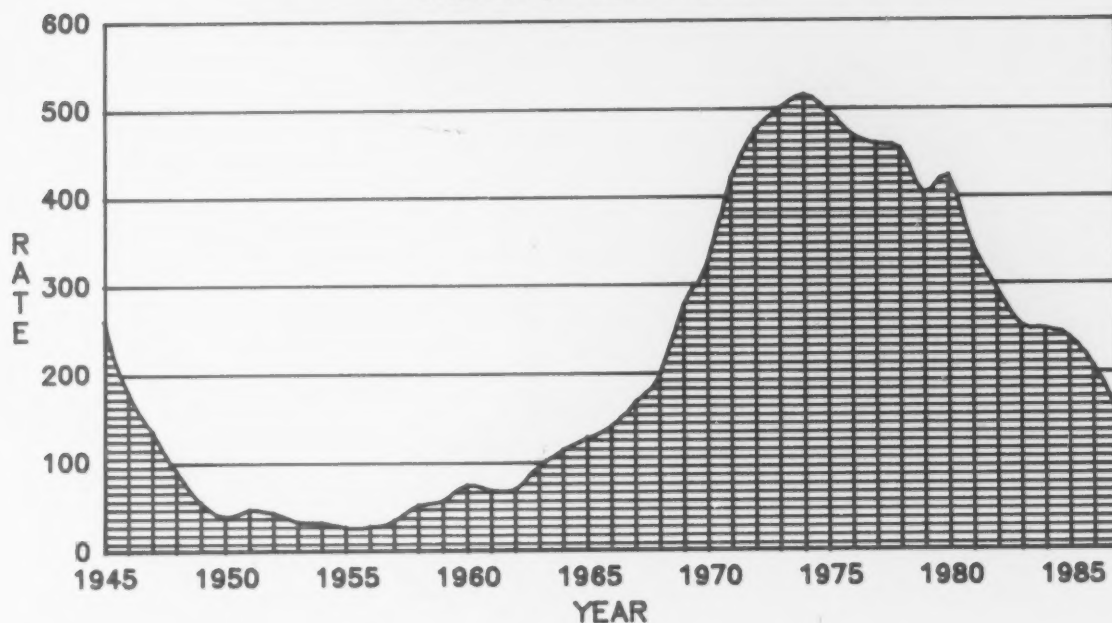
Sexually Transmitted Diseases

A dramatic increase in the occurrence of syphilis began in 1987. The number of primary and secondary (contagious) cases increased 146 percent from 126 in 1986 to 310 in 1987. The increase occurred primarily in Multnomah and Marion counties. Blacks and Hispanics were disproportionately affected by the increase. The increase occurred exclusively among heterosexuals; the decline in cases among male homosexuals observed since 1983 continued. A serious consequence of this increase in syphilis among heterosexuals, particularly women, was the occurrence, for the first time in five years, of congenital syphilis cases. Six cases of congenital syphilis cases were reported in 1987. Total syphilis also increased. This included an increase in late cases from 32 in 1986 to 169 in 1987. Most of this increase resulted from aliens screened by syphilis serology testing as part of their application for immigration status under the Immigration Reform and Control Act.

Chlamydial infections were made officially reportable for the first time in June 1987. Private health care providers were required then to begin reporting all laboratory-diagnosed chlamydial infections of the genital tract. Local health departments were requested to additionally report cases presumptively diagnosed on the basis of clinical syndromes, including mucopurulent cervicitis and nongonococcal urethritis. Data from even this partial-year reporting indicate the impact of this disease in Oregon. A total of 3,035 laboratory-diagnosed cases were reported, and an additional 1,644 clinically diagnosed cases were reported from the local health departments.

Reported cases of gonorrhea continued the downward trend observed since 1981. Only 4,043 cases were reported in 1987, a 26 percent decline from the 5,481 cases reported in 1986.

FIGURE 6-1.
REPORTED GONORRHEA CASE RATE BY YEAR
OREGON, 1945-1987



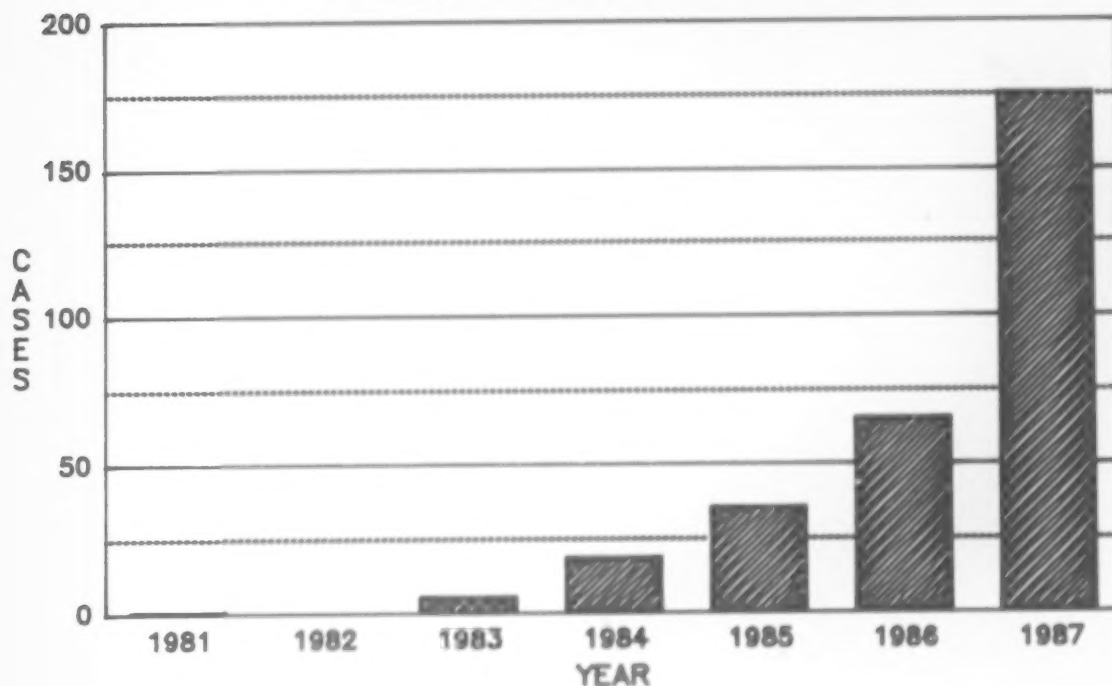
Acquired Immunodeficiency Syndrome (AIDS)

Morbidity and mortality from AIDS continued to increase dramatically in Oregon during 1987. There were 176 cases reported in 1987, compared to 66 in 1986, 36 cases in 1985, and 19 in 1984. Active surveillance, which began in 1987, may account for some of the increase. A total of 300 cases of AIDS had been reported in Oregon by the end of 1987; of these, 162 were known to have died by that time. By the end of 1987, AIDS cases had been reported in residents of 20 Oregon counties.

Homosexual/bisexual men (regardless of whether or not they used intravenous drugs) comprised 81 percent of Oregon's cases through the end of 1987, compared to 70 percent nationally. Heterosexual intravenous drug users made up only 3 percent of Oregon's cases, but represented 17 percent of U.S. AIDS cases.

Critical to the understanding of potential impacts of HIV infection is an estimate of the prevalence of the infection among various groups. No formal studies of the prevalence of infection, as indicated by antibody testing had been completed by the end of 1987. The prevalence of a positive antibody test among 6,648 individuals who voluntarily sought testing for the first time at local health department counseling and testing centers during 1987 was as follows: homosexual/bisexual men, 18.1 percent; homosexual/bisexual men who also used intravenous drugs, 20 percent; heterosexual intravenous drug users, 1.3 percent; no hemophiliacs or prostitutes tested positive; and heterosexuals, 0.3 percent.

FIGURE 6-2.
CASES OF ACQUIRED IMMUNE DEFICIENCY SYNDROME
REPORTED IN OREGON, 1981-1987



Tuberculosis

The downward trend in reported tuberculosis cases observed from 1981 through 1986 was reversed in 1987. This reversal was noted for the whole U.S. in 1986. Much of the increase in cases nationally has been attributed to the occurrence of tuberculosis among those with concurrent human immunodeficiency virus (HIV) infection. This does not appear to contribute to the increase in Oregon during 1987. Instead, the increase has occurred primarily among the foreign born.

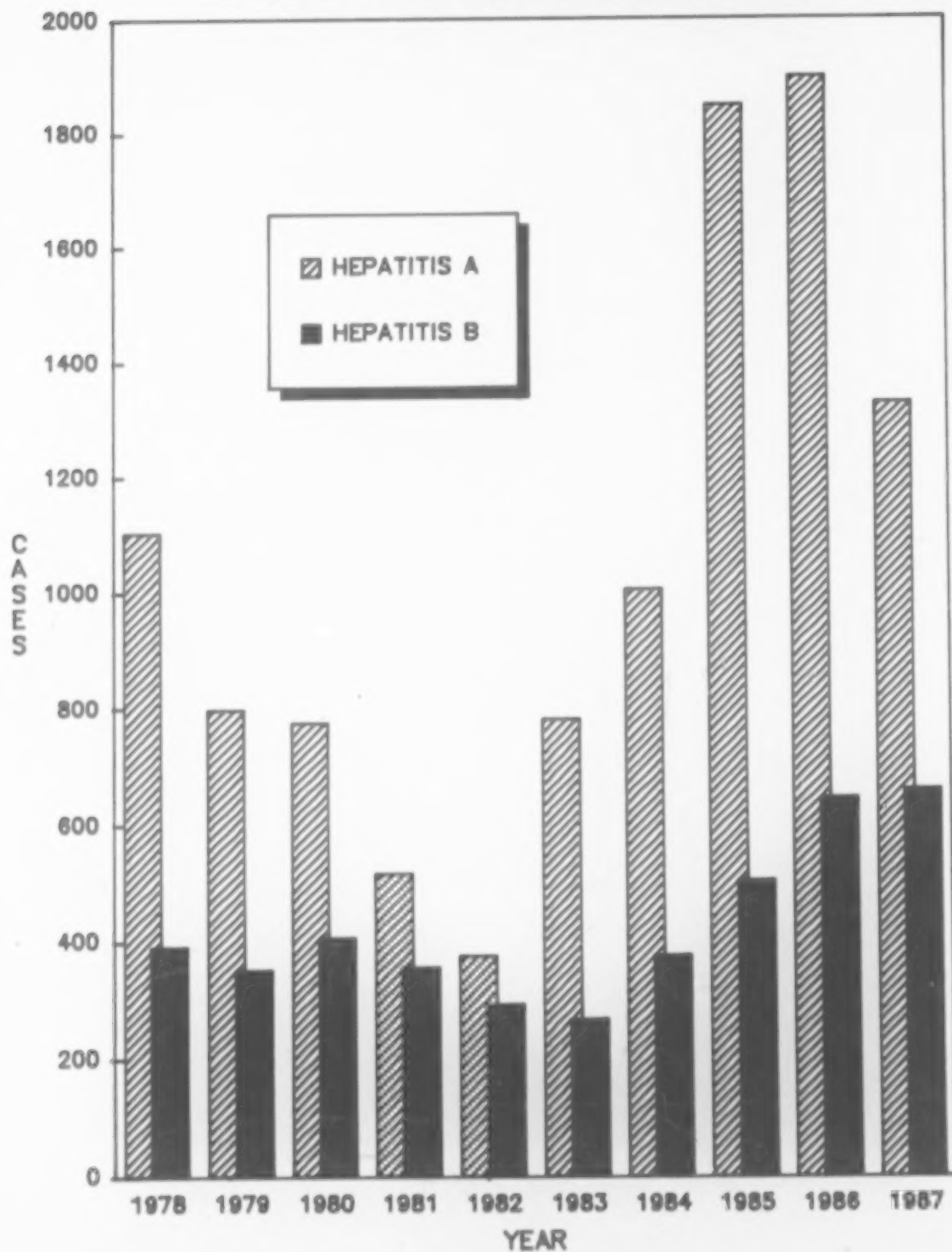
Hepatitis A and Hepatitis B, 1987

Hepatitis A continued to be a major public health problem in Oregon even though the number of cases reported during the year declined 30 percent to 1,328 from the 1,899 cases reported in 1986. The disease continued to be a problem particularly among young adults, especially those of low income and with a history of drug abuse.

In contrast, Hepatitis B continued to increase during 1987, rising 2.1 percent from 646 cases in 1986 to 660 cases in 1987.

FIGURE 6-3.

CASES OF HEPATITIS A AND HEPATITIS B
BY YEAR OF REPORT, OREGON, 1978-1987



INJURY REGISTRY DATA FOR 1987 FROM THE SIX-COUNTY REPORTING AREA

Table 6-8 presents the findings for injuries requiring hospitalization by cause and month of admission. The data are derived from the six-county area reporting to the Oregon Injury Registry; the counties are Clackamas, Clatsop, Columbia, Multnomah, Tillamook, and Washington. Injuries occurred most frequently during April through August. Specifically, this seasonal pattern was evident for motor vehicle-traffic injuries and motorcycle injuries, falls, and those injuries that involved being unintentionally struck by or against objects or persons. However, both pedestrian and bicycle-related injuries were more evenly distributed throughout the year.

For most causes, the monthly pattern is similar for both fatal and non-fatal injuries. The most notable exception to this occurred in fire-related injuries, where ten of thirteen at scene deaths (ASD) occurred during December. It is interesting to note that the peak within the self-inflicted/suicide category occurred during August, for both ASD and in-patient admissions. The pattern of homicides generally followed that for assaults except that ASD were elevated for the month of December.

For the populace as a whole, the summer months, appear to be most hazardous and especially for 15 to 19 year olds. In contrast, the peak months of injury for those 65 and over were November and December. The annual rates of reported injury for each age group (per 100,000 population) were: 273 for 0 to 4 year-olds; 390 for 5 to 14 year-olds; 762 for 15 to 19 year-olds; 581 for 20 to 64 year-olds; and 1,375 for persons 65 or older. Based on the 1987 data for the six county reporting area, older adults (predominantly female) and youth aged 15 to 19 (predominantly male) are at increased risk of injury.

Not only does injury prevalence vary with age, so does the type of injury resulting in ASD. Within the 0 to 4 age group, traffic-related motor vehicle accidents (MVA) (2.4 per 100,000 population) and fires (2.4) accounted for the majority of recorded deaths in the reporting area. Among children, 5 to 14 years old, fires (3.2), submersions (1.9), and homicides (1.9) were the most common causes of death. Among 15 to 19 year-olds, traffic-related MVA (6.1), motorcycle incidents (3.6), suicides (6.1), submersions (4.9) and homicides (2.4) accounted for most of the deaths. Falls (6.1), suicides (8.1), and traffic-related MVA (3.4) were responsible for the majority of the ASD among adults 65 and over.

TABLE 6-1. REPORTED CASES OF GONORRHEA BY AGE GROUP AND SEX, OREGON, 1982-1987.

AGE GROUP AND SEX	1982		1983		1984		1985		1986		1987	
	Cases	Rates	Cases	Rates	Cases	Rates	Cases	Rates	Cases	Rates	Cases	Rates
TOTAL	7,791	293.3	6,672	253.2	6,635	249.4	6,409	239.5	5,481	206.1	4,043	150.3
Male	4,394	335.9	3,647	282.1	3,565	272.8	3,529	268.6	3,114	238.4	2,254	170.9
Female	3,397	252.0	3,025	225.0	3,070	226.9	2,880	211.5	2,367	174.9	1,789	130.5
Under 10	13	3.3	14	3.6	10	2.6	3	0.8	7	1.8	8	2.0
Male	1	0.5	4	2.0	2	1.0	2	1.0	1	0.3	1	0.3
Female	12	6.3	10	5.3	8	4.2	1	0.5	6	1.5	7	3.6
10 - 14	59	29.4	76	38.9	104	54.8	79	42.7	74	41.5	42	23.7
Male	5	4.9	7	7.0	11	11.3	12	12.7	6	6.6	11	12.1
Female	54	55.2	69	72.3	93	100.3	67	74.3	68	78.0	31	35.9
15 - 19	1,738	809.8	1,552	730.4	1,728	849.1	1,697	857.9	1,336	663.5	1,070	555.7
Male	574	521.8	525	494.0	603	581.3	625	618.1	523	507.6	429	435.4
Female	1,164	1,112.6	997	976.3	1,125	1,127.5	1,072	1,108.6	813	826.8	641	681.9
20 - 24	2,530	1,123.1	2,220	1,004.1	2,166	963.2	1,944	901.5	1,646	752.0	1,155	570.5
Male	1,448	1,286.7	1,204	1,088.3	1,225	1,079.4	1,104	1,009.0	936	840.2	659	636.5
Female	1,082	959.8	1,016	919.7	941	844.7	840	790.8	710	660.7	496	501.5
25 - 29	1,508	614.2	1,188	507.8	1,069	469.9	1,118	490.7	994	461.5	727	328.8
Male	1,039	855.5	790	683.3	703	626.0	752	668.3	640	602.7	429	392.9
Female	469	378.0	398	336.4	366	317.7	366	317.4	354	324.2	298	266.2
30 - 34	772	320.9	603	255.0	529	219.6	534	219.1	535	231.8	376	156.3
Male	576	475.1	441	371.8	392	324.0	385	316.7	390	339.9	256	214.6
Female	196	164.2	162	137.5	137	114.3	149	122.0	145	125.0	120	99.0
35 - 39	334	174.1	300	151.7	253	121.4	257	115.5	268	118.5	191	81.9
Male	255	263.5	230	231.1	191	181.6	186	165.8	213	187.1	144	123.0
Female	79	83.1	70	71.2	62	60.1	71	64.4	55	49.0	47	40.5
40 +	287	30.3	238	24.9	234	24.0	237	24.0	244	24.5	213	20.7
Male	299	51.6	187	42.0	187	41.2	200	43.4	205	44.1	188	39.2
Female	58	11.5	51	10.0	47	9.0	37	7.0	39	7.3	25	4.5
Age N.S.	550		511		542		540		377		261	
Male	267		259		251		263		200		137	
Female	283		252		291		277		177		124	

All rates per 100,000 population within the specific age group.

TABLE 6-2. REPORTED CASES OF PRIMARY AND SECONDARY SYPHILIS BY AGE GROUP, OREGON, 1982-1987.

AGE GROUP	1982		1983		1984		1985		1986		1987	
	Cases	Rates	Cases	Rates	Cases	Rates	Cases	Rates	Cases	Rates	Cases	Rates
TOTAL	111	4.2	144	5.5	117	4.4	112	4.2	126	4.7	310	11.5
10 - 14	-	-	-	-	-	-	1	0.5	-	0.0	3	1.7
15 - 19	7	3.3	3	1.4	10	4.9	10	5.1	12	6.0	25	13.0
20 - 24	27	12.0	26	11.8	18	8.0	20	9.3	34	15.5	80	39.5
25 - 29	28	11.4	33	14.1	228	12.3	25	11.0	27	12.5	76	34.4
30 - 34	17	7.1	32	13.5	20	8.3	21	8.6	27	11.7	52	21.6
35 - 39	11	5.7	22	11.1	12	5.8	15	6.7	12	5.3	41	17.6
40 +	21	2.2	28	2.9	29	3.0	20	2.0	14	1.4	32	3.1

Includes primary and secondary syphilis only.
Rates per 100,000 population within the specific age group.

TABLE 6-3. REPORTED CASES OF SYPHILIS AND GONORRHEA, OREGON, 1945-1987.

YEAR	SYPHILIS			GONORRHEA	
	TOTAL		Primary and Secondary (Contagious)	Cases	Rate
	Cases	Rate			
1945	1,717	139.9	472	3,214	261.9
1946	1,447	107.4	493	2,438	180.9
1947	1,427	100.3	439	1,945	136.7
1948	1,205	81.9	286	2,363	92.7
1949	703	46.5	152	854	56.5
1950	525	34.5	54	614	40.4
1951	381	24.3	46	745	47.5
1952	629	39.3	56	702	43.8
1953	683	41.7	48	557	34.0
1954	713	42.9	44	548	33.0
1955	609	36.0	37	470	27.8
1956	598	34.5	52	490	28.2
1957	589	33.9	21	611	35.2
1958	716	41.4	22	916	53.0
1959	746	42.0	46	1,029	57.9
1960	637	36.0	72	1,331	75.3
1961	524	28.8	43	1,258	69.3
1962	561	30.7	49	1,287	70.5
1963	593	31.9	73	1,783	96.1
1964	377	19.8	76	2,177	114.2
1965	427	22.4	47	2,520	127.8
1966	222	11.1	46	2,811	140.8
1967	206	10.3	43	3,363	167.6
1968	199	9.7	41	4,056	197.8
1969	201	9.7	43	5,799	277.6
1970	177	8.5	32	6,793	324.8
1971	114	5.3	15	9,043	422.0
1972	113	5.2	40	10,206	476.5
1973	148	6.7	49	11,146	501.0
1974	237	10.5	118	11,704	516.5
1975	304	13.2	145	11,449	498.0
1976	250	10.7	106	11,022	470.7
1977	282	11.8	144	11,044	460.9
1978	415	16.8	170	11,253	455.2
1979	361	14.2	168	10,278	404.0
1980	296	11.2	109	11,162	424.0
1981	272	10.2	123	9,189	345.4
1982	214	8.1	111	7,796	293.5
1983	274	10.4	144	6,672	253.2
1984	251	9.4	117	6,635	249.4
1985	236	8.8	112	6,409	239.5
1986	234	8.8	126	5,481	206.1
1987	678	25.2	310	4,043	150.3

Rates per 100,000 population.

TABLE 6-4. REPORTED CASES OF SYPHILIS AND GONORRHEA BY COUNTY OF RESIDENCE, OREGON, 1987.

COUNTY OF RESIDENCE	SYPHILIS					GONORRHEA	
	TOTAL		Primary and Secondary (Contagious)	Early Latent	Late	Cases	Rate
	Cases	Rate					
TOTAL	678	25.2	310	193	169	4043	150.3
Baker	-	0.0	-	-	-	8	52.3
Benton	1	1.4	1	-	-	39	56.4
Clackamas	32	12.5	11	9	12	159	62.3
Clatsop	1	3.0	1	-	-	34	102.7
Columbia	3	8.3	1	2	-	20	55.4
Coos	4	7.0	1	2	1	49	85.2
Crook	-	0.0	-	-	-	6	44.4
Curry	1	5.8	-	-	1	10	58.1
Deschutes	-	0.0	-	-	-	60	91.5
Douglas	4	4.3	1	1	2	57	61.3
Gilliam	-	0.0	-	-	-	-	0.0
Grant	-	0.0	-	-	-	-	0.0
Harney	-	0.0	-	-	-	3	41.7
Hood River	21	127.3	3	1	17	26	157.6
Jackson	9	6.4	-	-	9	196	138.3
Jefferson	17	144.1	1	6	10	19	161.0
Josephine	-	0.0	-	-	-	70	113.5
Klamath	4	7.0	3	1	-	18	31.6
Lake	1	13.7	-	-	1	1	13.7
Lane	18	6.7	9	3	6	286	106.8
Lincoln	1	2.7	1	-	-	23	61.2
Linn	1	1.1	-	-	1	61	70.1
Malheur	7	26.4	-	1	6	13	49.1
Marion	153	71.3	75	53	22	471	219.6
Morrow	2	25.0	-	-	2	3	37.5
Multnomah	297	52.8	170	90	34	1996	355.2
Polk	4	8.7	1	2	1	45	98.3
Sherman	-	0.0	-	-	-	2	95.2
Tillamook	-	0.0	-	-	-	8	38.1
Umatilla	14	24.1	1	6	7	49	84.3
Union	-	0.0	-	-	-	17	73.0
Wallowa	-	0.0	-	-	-	-	0.0
Wasco	4	19.6	-	2	2	6	29.4
Washington	56	20.0	23	10	23	226	80.7
Wheeler	-	0.0	-	-	-	-	0.0
Yamhill	23	39.4	7	4	12	62	106.2

Rates per 100,000 population

TABLE 6-5. REPORTED TUBERCULOSIS CASES AND DEATHS, OREGON, 1950 - 1987.

YEAR	CASES*		DEATHS	
	Number	Rate	Number	Rate
1950	676	44.4	201	13.2
1951	765	48.8	209	13.3
1952	863	53.9	146	9.1
1953	656	40.1	112	6.8
1954	636	38.2	84	5.1
1955	638	37.7	80	4.7
1956	593	34.2	70	4.0
1957	578	33.3	62	3.6
1958	572	33.1	54	3.1
1959	560	31.5	69	3.9
1960	492	27.8	63	3.6
1961	454	25.0	57	3.1
1962	417	22.8	43	2.3
1963	395	21.3	51	2.7
1964	416	21.8	48	2.5
1965	361	18.3	34	1.8
1966	386	19.3	43	2.2
1967	322	16.0	37	1.8
1968	290	14.1	29	1.4
1969	357	17.2	24	1.2
1970	265	12.7	18	0.9
1971	249	11.6	29	1.4
1972	234	10.7	30	1.4
1973	239	10.7	30	1.3
1974	207	9.1	24	1.1
1975	194	8.4	20	0.9
1976	197	8.4	20	0.9
1977	171	7.1	13	0.5
1978	204	8.3	21	0.8
1979	179	7.0	20	0.8
1980	218	8.3	27	1.0
1981	206	7.7	18	0.7
1982	194	7.3	14	0.5
1983	182	6.9	19	0.7
1984	156	5.9	23	0.9
1985	144	5.4	16	0.6
1986	136	5.1	7	0.3
1987	159	6.0	15	0.6

All rates per 100,000 population.

* From 1950 to 1974 new cases included those cases first reported in that year. Since 1975 new cases include those cases first reported in that year plus reactivations.

TABLE 6-6. CASES OF REPORTABLE DISEASES BY MONTH OF REPORT, OREGON 1987.

DISEASES	TOTAL	MONTH											
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
AIDS	176	3	2	23	12	13	6	19	17	22	20	17	22
Amebiasis	61	3	9	2	4	3	2	7	11	4	7	5	4
Botulism	5	-	-	-	-	-	1	-	2	-	1	-	1
Hepatitis													
Type A													
(Infectious)	1328	140	117	115	105	133	75	74	113	109	129	89	129
Type B													
(Serum)	660	63	46	61	46	53	55	50	72	39	62	44	69
Non A Non B	104	12	5	16	11	12	8	8	7	6	9	7	3
Unspecified	17	2	2	-	1	5	2	2	1	-	-	-	2
Legionellosis	1	-	-	-	-	-	-	-	-	-	1	-	-
Leprosy	1	-	-	-	-	-	-	-	-	-	-	-	1
Malaria	6		1		1	2			1			1	
Meningococcal													
Infections	37	10	-	4	-	4	3	3	2	-	-	6	5
Pertussis													
(Whooping Cough)	84	8	1	3	1	1	-	-	41	4	11	1	13
Psittacosis	17	1	-	3	-	4	2	2	1	1	1	-	2
Rubella	2	1	-	-	-	-	-	-	1	-	-	-	-
Rubella, Congenital Syndrome	-	-	-	-	-	-	-	-	-	-	-	-	-
Salmonellosis													
(Excl. Typhoid)	305	8	6	19	24	37	19	29	56	28	29	18	32
Shigella													
(Bacillary)													
Dysentery)	115	7	9	13	7	11	10	8	20	9	8	7	6
Tularemia	5	-	-	-	-	2	1	-	1	-	1	-	-
Typhoid Fever	3	-	-	-	-	-	-	1	-	-	1	-	1
Typhus Fever													
(Tick-Borne)													
Rocky Mt. Spot)	1	-	-	-	-	-	-	-	-	-	1	-	-
Toxic-Shock Syndrome	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 6-7. CASES OF REPORTABLE DISEASES BY COUNTY OF RESIDENCE, OREGON, 1987.

COUNTY OF RESIDENCE	AIDS	AMEBIASIS	Type A	HEPATITIS			MALARIA	MEASLES
				Type B	Non A Non B	Unspeci- fied		
TOTAL	175	61	1,328	660	104	17	6	132
Baker	-	-	-	-	-	-	-	-
Benton	1	4	12	4	5	-	-	1
Clackamas	13	2	62	32	7	1	1	1
Clatsop	-	1	4	15	2	-	-	-
Columbia	1	-	7	11	-	1	2	-
Coos	2	2	105	5	-	-	-	1
Crook	-	-	6	3	-	-	-	-
Curry	-	-	5	-	-	-	-	-
Deschutes	-	-	20	12	-	-	-	3
Douglas	4	1	25	10	2	1	-	1
Gilliam	1	-	-	-	-	-	-	-
Grant	1	-	-	1	-	-	-	-
Harney	-	-	-	-	-	-	-	-
Hood River	-	1	2	1	-	-	-	-
Jackson	5	3	134	32	3	-	-	10
Jefferson	1	-	6	1	-	-	-	-
Josephine	1	5	94	27	3	1	-	13
Klamath	-	1	10	5	1	-	-	-
Lake	-	-	-	1	-	-	-	-
Lane	8	2	243	40	14	-	-	3
Lincoln	-	2	10	3	4	-	-	48
Linn	2	2	14	13	3	3	-	-
Malheur	-	-	3	3	3	-	-	-
Marion	7	5	117	105	10	1	-	7
Morrow	-	-	-	1	-	-	-	-
Multnomah	115	20	310	259	39	8	2	10
Polk	-	1	45	3	-	-	-	2
Tillamook	-	-	2	4	-	-	-	-
Umatilla	-	-	6	6	-	-	-	-
Union	-	-	2	2	-	-	-	1
Wallowa	-	-	-	-	-	-	-	-
Wasco-	-	-	-	-	-	-	-	-
Sherman*	1	-	28	5	-	-	-	-
Washington	8	-	41	44	6	-	1	2
Wheeler	-	-	-	-	-	-	-	-
Yamhill	4	2	15	12	2	2	-	29

*Wasco and Sherman Counties reported together.

TABLE 6-7. CASES OF REPORTABLE DISEASES BY COUNTY OF RESIDENCE, OREGON, 1987, continued.

COUNTY OF RESIDENCE	MENINGO- COCCAL INFECTIONS	PERTUSSIS	RUBELLA	SALMON- ELLOSIS	SHIGEL- LOSIS	TUBERCU- LOSIS	TULA- REMIA	TYPHOID FEVER
TOTAL		84	2	305	114	159	5	3
Baker		-	-	-	-	2	-	-
Benton		-	-	10	4	3	-	-
Clackamas	1	2	-	35	6	11	-	-
Clatsop	-	1	-	4	-	2	-	-
Columbia	-	-	-	5	1	-	-	-
Coos	1	3	-	6	1	3	-	-
Crook	1	-	-	1	-	-	-	-
Curry	1	-	-	1	-	-	-	-
Deschutes	3	1	-	13	1	2	1	-
Douglas	-	1	-	8	1	2	-	-
Gilliam	-	-	-	-	-	-	-	-
Grant	-	-	-	-	-	-	-	-
Harney	-	-	-	-	-	-	1	-
Hood River	1	-	-	-	-	2	-	-
Jackson	3	20	-	16	5	8	-	-
Jefferson	-	2	-	3	29	3	-	-
Josephine	-	4	-	4	1	2	-	-
Klamath	-	-	-	5	11	2	-	-
Lake	-	-	-	-	-	-	1	-
Lane	6	1	-	19	3	13	-	-
Lincoln	-	1	-	3	4	1	-	-
Linn	2	3	-	10	2	-	1	-
Malheur	-	-	-	1	3	-	-	-
Marion	2	20	-	26	7	18	-	2
Morrow	-	1	-	1	-	-	-	-
Multnomah	8	19	2	72	22	64	-	-
Polk	1	-	-	2	2	4	-	-
Tillamook	-	-	-	5	-	1	-	-
Umatilla	2	-	-	6	1	1	-	-
Union	-	-	-	-	-	1	-	-
Wallowa	-	-	-	1	-	-	-	-
Wasco- Sherman*	-	-	-	1	1	2	-	-
Washington	2	4	-	39	5	10	1	1
Wheeler	-	-	-	-	-	-	-	-
Yamhill	3	1	-	8	4	2	1	-

*Wasco and Sherman Counties reported together.

TABLE 6-8
ALL HOSPITALSSEE FOOTNOTES END OF TABLE

*HOSPITALIZED FATAL AND NON-FATAL INJURIES BY CAUSE, MONTH OF ADMISSION,
SIX COUNTIES, OREGON - 1997**
(N = 7,995)

TABLE 6-8
ALL HOSPITALS

EXTERNAL CAUSE	MONTH OF HOSPITAL ADMISSION												TOTAL
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ASD- 1/
SELF/INFLECTED-SUICIDE 6/.....	5	3	5	7	8	3	7	11	9	8	5	7	50
ASSAULT-HOMICIDE 6/.....	29	38	32	44	37	41	56	47	49	38	38	40	35
UNKNOWN-INTENT INJURY 6/.....	--	3	2	2	2	2	4	2	3	3	2	4	6
UNKNOWN CAUSE.....	11	5	9	17	3	5	2	--	--	--	2	--	7
TOTAL(S).....	608	577	613	680	690	754	689	723	671	606	559	586	229
													7995

*/ Hospitalized at least one calendar day

** Multnomah, Clackamas, Columbia, Clatsop, Washington, Tillamook

1/ At scene death

3/ Motorcycle operator, passenger

5/ Bicycle-Related (ALL)

2/ Excludes pedestrians, motorcycles, bicycles

4/ Pedestrian-Related (ALL)

6/ Varied mechanisms categorized by intent

TABLE 6-9
ALL HOSPITALSSEE FOOTNOTES END OF TABLE

*HOSPITALIZED FATAL AND NON-FATAL INJURIES BY AGE, SEX, MONTH OF ADMISSION,
SIX COUNTIES, OREGON - 1987**
(N = 7,995) Continued

TABLE 6-9(Cont.)
ALL HOSPITALS

AGE	MONTH OF HOSPITAL ADMISSION												TOTAL
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ASD- 1/
65+.....	169	150	165	152	178	166	158	173	174	150	190	188	32
FEMALE.....	118	111	114	104	129	128	123	134	131	98	141	153	14
MALE.....	51	39	51	48	49	38	35	39	43	52	49	35	18
TOTAL(S).....	608	577	618	680	690	754	689	728	671	606	559	586	228
FEMALE.....	267	242	244	243	294	300	268	288	261	246	253	286	48
MALE.....	306	315	350	416	378	407	397	428	375	335	279	282	156
UNKNOWN.....	35	20	24	21	18	47	24	12	35	25	27	18	24
TOTAL.....	7994	7994	7994	7994	7994	7994	7994	7994	7994	7994	7994	7994	7994
FEMALE.....	3240	3240	3240	3240	3240	3240	3240	3240	3240	3240	3240	3240	3240
MALE.....	4424	4424	4424	4424	4424	4424	4424	4424	4424	4424	4424	4424	4424
UNKNOWN.....	330	330	330	330	330	330	330	330	330	330	330	330	330

*/ Hospitalized at least one calendar day

1/ At scene death

**/ Multnomah, Clackamas, Columbia, Clatsop
Washington, Tillamook



POPULATION

TABLE 7-1. POPULATION DISTRIBUTION BY AGE AND SEX, OREGON, 1950, 1960, 1970, 1975, 1978-1987.

YEAR AND SEX	TOTAL	AGE GROUPS																	
		0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85+
1950	1,521,341	163,915	131,596	108,140	96,738	105,070	117,706	116,800	117,361	105,575	93,228	86,118	77,843	68,230	54,455	37,095	34,979	1/	6,492
M	772,776	83,614	67,244	55,528	47,652	51,469	57,940	57,930	59,391	54,452	48,574	44,802	40,426	36,027	28,498	19,085	17,143	1/	3,001
F	748,565	80,301	64,352	52,612	49,086	53,601	59,766	58,870	57,970	51,123	44,654	41,316	37,417	32,203	25,957	18,010	17,836	1/	3,491
1960	1,768,675	185,403	189,333	170,768	131,315	95,773	96,636	107,999	118,152	116,218	114,074	101,313	87,606	74,007	65,908	52,734	34,274	17,713	9,449
M	879,929	94,330	96,553	87,191	64,463	46,011	47,318	52,924	57,451	57,832	57,574	52,052	43,615	37,003	32,257	25,175	16,407	7,935	3,838
F	888,746	91,073	92,780	83,577	66,852	49,762	49,318	55,075	60,701	58,386	56,500	49,261	43,991	37,004	33,651	27,559	17,867	9,778	5,611
1970	2,091,385	164,060	194,345	211,284	203,362	162,638	138,978	115,599	107,832	117,950	124,395	118,996	110,739	94,408	75,601	60,321	44,263	27,900	18,714
M	1,023,952	83,836	99,274	107,664	100,952	75,549	68,827	57,764	52,738	57,790	60,407	58,563	54,576	45,809	35,886	26,956	18,946	11,249	7,166
F	1,067,433	80,224	95,071	103,620	102,410	87,089	70,151	57,835	55,094	60,160	63,988	60,433	56,163	48,599	39,715	33,365	25,317	16,651	11,548
1975	2,292,734	166,930	176,125	211,149	224,538	222,013	180,346	152,553	122,891	114,611	120,938	125,783	117,631	106,710	86,844	66,077	48,381	31,022	18,194
M	1,120,178	85,331	89,859	107,668	114,204	108,865	84,271	76,482	61,305	55,959	58,944	60,547	56,993	51,149	40,571	29,622	19,879	11,966	6,562
F	1,172,556	81,599	86,266	103,481	110,334	113,146	96,075	76,071	61,586	58,652	61,994	65,236	60,638	55,561	46,273	36,455	28,502	19,056	11,632
1976	2,341,750	172,424	175,344	209,303	226,690	229,608	190,936	160,657	128,823	116,345	120,577	126,254	119,290	108,763	89,328	67,880	49,383	31,706	18,439
M	1,143,803	88,143	89,456	106,720	115,506	113,285	89,543	79,900	64,416	56,927	58,761	60,694	57,565	51,978	41,610	30,365	20,234	12,124	6,576
F	1,197,947	84,281	85,888	102,583	111,184	116,323	101,393	80,757	64,407	59,418	61,816	65,560	61,725	56,785	47,718	37,515	29,149	19,582	11,863
1977	2,396,100	179,795	175,649	206,981	228,350	236,061	202,618	169,247	135,742	119,006	120,417	126,533	121,162	110,794	91,997	69,983	50,500	32,445	18,820
M	1,170,016	91,918	89,616	105,526	116,468	117,110	95,706	83,323	67,909	58,406	58,661	60,810	58,223	52,781	42,734	31,216	20,669	12,298	6,642
F	1,226,084	87,877	86,033	101,455	111,882	118,951	106,912	85,924	67,833	60,600	61,756	65,723	62,939	58,013	49,263	38,767	29,831	20,147	12,178
1978	2,472,000	191,405	179,233	206,478	231,143	241,353	217,906	182,004	145,922	124,002	120,688	126,506	123,112	112,545	94,626	71,986	51,100	32,763	19,227
M	1,207,195	97,767	91,305	105,112	117,886	120,554	103,730	88,303	72,747	61,020	58,722	60,815	58,979	53,507	44,054	32,229	21,178	12,437	6,848
F	1,264,805	93,638	87,928	101,366	113,257	120,799	114,176	93,701	73,175	62,982	61,966	65,691	64,133	59,038	50,572	39,757	29,922	20,326	12,399
1979	2,544,000	204,020	181,640	202,110	231,490	247,390	233,900	192,190	155,310	129,100	121,090	126,300	125,540	114,600	97,810	74,920	52,920	33,700	19,970
M	1,241,920	104,170	92,600	102,900	117,910	124,010	113,070	92,090	77,590	63,850	58,890	60,800	59,910	54,180	45,280	33,200	21,880	12,590	7,000
F	1,302,080	99,850	89,040	99,210	113,580	123,380	120,830	100,100	77,720	65,250	62,200	65,500	65,630	60,420	52,530	41,720	31,040	21,110	12,970
1980	2,632,663	197,951	189,293	202,546	225,814	237,788	253,472	227,565	170,694	133,101	119,249	124,344	129,886	117,676	105,165	79,367	55,327	34,994	28,431
M	1,296,355	101,815	96,965	103,594	114,690	117,800	126,867	115,071	86,047	67,073	58,948	60,356	62,001	56,031	49,287	35,404	22,747	12,802	8,857
F	1,336,308	96,136	92,328	98,952	111,124	119,988	126,605	112,494	84,647	66,028	60,301	63,988	67,885	61,645	55,878	43,963	32,580	22,192	19,574
1981	2,660,435	203,594	184,616	203,543	217,750	234,053	252,725	241,926	179,636	140,523	118,937	122,571	128,335	119,708	107,390	83,548	56,478	36,576	28,526
M	1,310,480	104,334	94,477	104,341	111,275	115,874	126,043	122,079	90,690	70,811	59,188	59,493	61,398	56,675	50,396	37,441	23,405	13,444	9,116
F	1,349,955	99,260	90,139	99,202	106,475	118,179	126,682	119,847	88,946	69,712	59,749	63,078	66,937	63,033	56,994	46,107	33,073	23,132	19,410
1982	2,656,185	205,442	184,989	200,663	214,621	225,266	245,516	240,579	191,815	145,302	119,328	118,393	124,286	121,205	108,828	87,242	122,710	2/	
M	1,308,018	104,536	94,896	102,787	110,004	112,537	121,444	121,229	96,778	73,205	59,541	57,526	59,397	57,238	50,920	39,287	46,693	2/	
F	1,348,167	100,906	90,093	97,876	104,617	112,729	124,072	119,350	95,037	72,097	59,787	60,867	64,889	63,967	57,908	47,955	76,017	2/	
1983	2,634,993	200,502	185,101	195,306	208,383	221,102	233,950	236,452	197,798	150,869	119,798	113,707	119,496	121,107	110,442	90,061	130,929	2/	
M	1,292,711	102,231	95,121	99,869	106,267	110,629	115,627	118,621	99,538	75,798	59,704	55,279	57,032	56,925	51,386	40,321	48,363	2/	
F	1,342,282	98,271	89,980	95,437	102,116	110,473	118,323	117,831	98,250	75,071	60,094	58,428	62,464	64,182	59,056	49,740	82,566	2/	
1984	2,660,000	201,561	189,002	189,940	203,518	224,882	227,497	240,883	208,395	159,323	124,516	113,420	118,076	118,774	111,029	93,393	135,791	2/	
M	1,307,023	102,591	97,255	97,250	103,737	113,484	112,302	120,975	105,194	80,218	62,374	55,513	56,574	55,671	51,445	41,826	50,614	2/	
F	1,352,977	98,970	91,747	92,690	99,781	111,398	115,195	119,908	103,201	79,105	62,142	57,907	61,502	63,103	59,584	51,567	85,177	2/	

TABLE 7-1. POPULATION DISTRIBUTION BY AGE AND SEX, OREGON, 1950, 1960, 1970, 1975, 1978-1987. (continued)

YEAR AND SEX	TOTAL	AGE GROUPS															
		0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75+
1985	2,675,800	198,995	195,271	184,845	197,808	215,641	227,827	243,741	222,457	165,140	128,521	112,530	115,551	118,327	113,657	93,372	142,117 2/
M	1,313,949	101,338	100,344	94,619	101,111	109,413	112,518	121,577	112,168	83,090	64,509	55,332	55,429	55,393	52,316	41,694	53,098 2/
F	1,361,851	97,657	94,927	90,226	96,697	106,228	115,309	122,164	110,289	82,050	64,012	57,198	60,122	62,934	61,341	51,678	89,019 2/
1986	2,659,500	192,981	198,234	178,510	201,362	218,875	215,376	230,757	226,179	170,171	132,244	110,782	112,555	115,440	113,886	94,884	147,262 2/
M	1,306,352	99,387	101,905	91,311	103,035	111,407	106,184	114,740	113,865	85,721	66,366	54,767	53,979	54,110	52,262	42,354	54,957 2/
F	1,353,148	93,594	96,329	87,199	98,327	107,468	109,192	116,017	112,314	84,450	65,878	56,015	58,576	61,330	61,624	52,530	92,305 2/
1987	2,690,000	192,835	200,887	177,142	192,540	202,447	221,131	240,492	233,108	185,303	139,735	113,692	111,266	114,319	116,900	94,415	153,788 2/
M	1,319,182	98,346	102,721	90,813	59,308	103,541	109,192	119,268	117,116	93,245	70,128	56,357	53,421	53,559	53,493	42,000	57,446 2/
F	1,370,818	94,489	98,166	86,329	94,004	98,906	111,939	121,224	115,992	92,058	69,607	57,335	57,845	60,760	63,407	52,415	96,342 2/

1/ Includes ages 75-84. 2/ Includes ages 75 and over.

1950, 1960, 1970, 1980 are U.S. Census. All others are estimates provided by Center for Population Research and Census, Portland State University.

TABLE 7-2. POPULATION ESTIMATES BY AGE AND SEX, OREGON, 1990, 1995 AND 2000.

YEAR AND SEX	TOTAL	AGE GROUPS															
		0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75+
1990	2,884,000	210,811	211,928	206,098	204,524	215,940	227,596	244,601	258,196	222,671	164,716	126,895	111,415	111,477	110,963	96,037	160,132 2/
M	1,422,190	108,430	108,902	105,836	104,374	108,967	113,356	123,422	132,219	113,112	82,825	63,399	54,084	52,442	50,207	42,233	58,382 2/
F	1,461,810	102,381	103,026	100,262	100,150	106,973	114,240	121,179	125,977	109,559	81,891	63,496	57,331	59,035	60,756	53,804	101,750 2/
1995	3,094,600	217,904	215,813	223,094	223,470	215,424	220,902	250,190	259,393	263,069	224,573	164,967	126,277	108,957	105,269	99,461	175,837 2/
M	1,530,388	112,082	110,906	114,569	114,418	108,929	109,916	127,881	132,613	134,703	113,850	82,545	62,356	51,858	47,964	42,922	62,876 2/
F	1,564,212	105,822	104,907	108,525	109,052	106,495	110,986	122,309	126,780	128,366	110,723	82,422	63,921	57,099	57,305	56,539	112,961 2/
2000	3,304,300	227,188	222,992	227,100	240,080	234,004	220,528	243,843	265,433	264,132	263,772	222,937	162,764	123,000	103,195	94,641	188,691 2/
M	1,638,396	116,855	114,596	116,638	122,926	118,718	109,948	124,629	137,218	135,031	134,676	112,441	80,502	59,550	47,585	41,162	65,921 2/
F	1,665,904	110,333	108,396	110,462	117,154	115,286	110,580	119,214	128,215	129,101	129,096	110,496	82,262	63,450	55,610	53,479	122,770 2/

2/ Includes ages 75 and over.

Estimates provided by Center for Population Research and Census, Portland State University.

TABLE 7-3. PRELIMINARY ESTIMATES OF 5-YEAR AGE GROUPS BY SEX, OREGON AND ITS COUNTIES, JULY 1, 1987.

	TOTAL	0-4	5-9	10-14	15-17	18-19	TOTAL	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	TOTAL	65-69	70-74	TOTAL	75+	TOTAL
BAKER	1,039	1,111	974	659	427	1,086	1,190	991	1,058	1,108	933	813	719	718	719	718	719	775	753	1,313	15,300		
BENTON	4,329	4,481	3,999	2,526	4,883	7,409	11,182	6,801	5,730	4,696	4,216	3,153	2,453	2,304	2,191	2,066	1,553	1,553	2,637	69,200			
BLACKAMAS	16,686	19,171	19,925	14,216	7,932	22,148	20,367	17,530	18,706	22,064	20,459	15,854	11,989	11,206	10,886	9,464	7,226	7,226	11,419	255,100			
CLATSOP	2,264	2,461	2,055	1,314	787	2,101	2,364	2,922	2,908	2,823	2,032	1,626	1,330	1,343	1,495	1,495	1,483	1,495	2,398	33,100			
COLUMBIA	2,501	2,950	2,959	2,011	1,159	3,170	2,874	2,389	2,605	2,985	2,575	1,966	1,577	1,507	1,488	1,347	1,277	1,277	1,930	36,100			
COOS	3,945	4,333	3,778	2,443	1,548	3,991	4,149	4,249	4,489	4,473	3,522	3,052	2,645	2,644	2,586	3,175	2,595	3,874	57,500				
CROOK	937	1,072	941	641	372	1,013	994	964	980	1,044	860	743	636	611	599	718	588	800	13,500				
CURRY	967	1,129	895	579	441	1,020	1,253	1,020	1,227	1,210	1,004	856	787	812	967	1,511	1,106	1,436	17,200				
DESCHUTES	4,784	5,303	4,779	3,288	1,793	5,081	4,456	4,670	5,570	6,019	4,544	3,468	2,724	2,378	2,488	3,795	2,406	3,135	65,600				
DOUGLAS	6,450	7,379	6,635	4,276	2,662	6,938	7,270	6,928	7,332	7,240	5,992	4,868	4,202	4,314	4,166	4,653	3,566	5,067	93,000				
GILLIAM	134	140	93	62	47	109	145	126	154	129	106	88	95	112	102	90	86	141	1,850				
GRANT	588	643	567	366	236	602	675	570	672	707	524	500	443	414	387	382	333	493	8,500				
HARNEY	508	588	590	353	212	565	519	511	597	543	458	411	369	313	312	261	251	404	7,200				
HOOD RIVER	1,315	1,342	1,120	679	464	1,143	1,166	1,232	1,408	1,365	1,076	818	760	781	733	637	624	980	16,500				
JACKSON	9,659	10,151	9,881	6,671	3,794	10,465	10,299	11,226	11,363	11,835	9,632	7,471	6,171	5,907	6,103	7,566	5,467	8,504	141,700				
JEFFERSON	1,245	1,116	994	598	347	945	936	840	838	804	665	556	525	453	452	480	439	512	11,800				
JOSEPHINE	3,828	4,212	3,982	2,622	1,732	4,354	4,629	3,984	4,156	4,818	4,147	3,271	2,748	2,705	3,026	4,269	3,070	4,501	61,700				
KLAMATH	4,169	4,230	3,743	2,558	1,673	4,231	4,364	4,713	4,595	4,716	3,681	2,999	2,593	2,566	2,570	2,517	2,113	3,100	56,900				
LAKE	547	572	529	321	212	533	545	464	593	561	419	417	364	362	364	306	300	404	7,300				
LANE	18,416	19,531	17,008	11,019	8,913	19,932	24,316	27,562	24,186	20,278	18,144	13,554	10,479	10,118	10,250	11,907	8,599	13,420	267,700				
LINCOLN	2,373	2,548	2,120	1,306	890	2,196	2,464	2,577	3,217	3,161	2,435	1,791	1,638	1,761	2,127	2,209	2,049	2,934	37,600				
LINN	6,276	6,615	6,108	4,014	2,515	6,529	6,664	6,707	7,315	7,146	5,646	4,578	3,614	3,581	3,590	4,268	3,294	5,069	87,000				
MALHEUR	2,295	2,311	1,960	1,182	754	1,936	2,092	2,048	1,920	1,812	1,467	1,185	1,100	1,185	1,186	1,279	1,033	1,691	26,500				
MARION	16,457	16,885	14,481	9,024	5,603	14,627	15,386	17,994	19,193	17,911	13,844	10,555	8,816	8,326	8,507	10,660	7,438	13,420	214,500				
MORROW	702	691	642	418	226	644	655	549	675	646	492	432	390	357	332	223	238	332	8,000				
MULTNOMAH	41,000	39,307	29,519	18,409	12,798	31,207	34,062	50,245	62,275	56,798	38,592	26,495	22,121	23,342	25,820	22,008	20,889	38,320	562,000				
POLK	3,183	3,506	3,111	2,118	1,293	3,411	3,344	4,195	3,890	3,748	3,029	2,316	1,962	1,925	1,856	1,790	1,595	2,939	45,800				
SHERMAN	124	170	150	81	64	145	178	129	171	155	118	99	86	113	136	87	114	125	2,100				
TILLAMOOK	1,312	1,540	1,279	782	569	1,331	1,480	1,355	1,638	1,703	1,258	1,014	867	1,026	1,123	1,239	1,183	1,652	21,000				
UMATILLA	4,942	5,044	4,150	2,524	1,591	4,115	4,094	4,552	4,981	4,629	3,508	2,826	2,456	2,421	2,542	2,407	2,076	3,357	58,100				
UNION	1,667	1,925	1,790	1,105	648	1,753	1,678	2,069	1,912	1,832	1,452	1,180	957	894	855	1,033	845	1,458	23,300				
WALLOWA	475	595	439	285	186	471	542	445	556	564	413	378	334	390	349	336	329	534	7,150				
WASCO	1,486	1,526	1,438	902	554	1,456	1,492	1,329	1,529	1,653	1,286	1,034	867	892	963	1,015	893	1,541	20,400				
WASHINGTON	21,531	21,169	19,902	13,288	8,054	21,342	20,275	22,013	27,337	27,527	22,963	16,492	12,441	11,111	10,727	8,372	6,461	10,337	280,000				
WHEELER	68	87	86	65	41	106	128	81	75	89	94	80	68	89	68	71	87	123	1,400				
YAMHILL	4,633	5,053	4,520	2,846	1,589	4,435	4,220	5,151	4,641	4,316	3,717	2,796	2,366	2,265	2,254	2,489	2,056	3,488	58,400				
STATE	192,835	200,887	177,142	115,551	76,989	192,540	202,447	221,131	240,492	233,108	185,303	139,735	113,692	111,266	114,319	116,900	94,415	153,788	2,690,000				

Prepared by the Center for Population Research and Census, Portland State University, August 1987.

TABLE 7-3. PRELIMINARY ESTIMATES OF 5-YEAR AGE GROUPS BY SEX, OREGON AND ITS COUNTIES, JULY 1, 1987.

	MALE 0-4	MALE 5-9	MALE 10-14	MALE 15-17	MALE 18-19	MALE 15-19	MALE 20-24	MALE 25-29	MALE 30-34	MALE 35-39	MALE 40-44	MALE 45-49	MALE 50-54	MALE 55-59	MALE 60-64	MALE 65-69	MALE 70-74	MALE 75+	MALE ALL AGES
BAKER	530	569	530	335	229	564	627	524	546	545	459	400	354	357	340	355	344	532	7,576
BENTON	2,208	2,294	2,063	1,239	2,519	3,758	5,780	3,604	3,075	2,482	2,136	1,561	1,232	1,093	1,052	949	718	912	34,917
CLACKAMAS	8,510	9,808	10,150	7,306	4,024	11,330	10,404	9,043	9,050	10,600	10,033	8,041	5,984	5,509	5,218	4,387	3,263	4,170	125,509
CLATSOP	1,155	1,276	1,049	669	379	1,048	1,190	1,475	1,476	1,504	1,027	829	695	636	695	685	632	924	16,274
COLUMBIA	1,276	1,461	1,470	1,027	595	1,622	1,463	1,173	1,283	1,531	1,278	1,006	818	717	720	655	590	792	17,855
COOS	2,012	2,227	1,939	1,273	801	2,074	2,158	2,103	2,195	2,218	1,775	1,526	1,297	1,301	1,227	1,514	1,203	1,562	28,331
CROOK	478	547	461	326	188	514	519	459	489	496	436	380	327	293	283	314	286	334	6,616
CURRY	493	559	462	305	225	530	614	528	643	591	489	431	362	409	449	689	514	651	8,414
DESCHUTES	2,440	2,700	2,433	1,705	893	2,598	2,322	2,280	2,690	3,088	2,289	1,756	1,387	1,162	1,162	1,696	1,150	1,326	32,479
DOUGLAS	3,290	3,821	3,376	2,162	1,373	3,535	3,771	3,514	3,596	3,563	2,963	2,403	2,046	2,109	2,033	2,226	1,693	2,100	46,039
GILLIAM	68	74	46	34	17	51	70	68	81	70	48	41	51	48	53	42	45	62	918
GRANT	300	321	292	182	116	298	362	269	336	372	272	245	230	205	192	172	169	208	4,243
HARNEY	259	312	316	180	103	283	269	262	292	277	233	219	202	152	164	123	128	172	3,663
HOOD RIVER	671	676	570	359	228	587	618	659	747	721	561	409	392	362	365	298	294	398	8,328
JACKSON	4,926	5,126	5,043	3,421	1,942	5,363	5,355	5,546	5,550	6,020	4,779	3,754	3,098	2,851	2,911	3,558	2,553	3,405	69,838
JEFFERSON	635	568	526	307	178	485	481	451	426	406	316	280	258	224	219	238	206	231	5,950
JOSEPHINE	1,952	2,157	2,089	1,406	887	2,293	2,325	1,932	1,978	2,328	2,038	1,599	1,355	1,268	1,386	1,966	1,376	1,811	29,853
KLAMATH	2,126	2,189	1,960	1,339	848	2,187	2,220	2,509	2,319	2,352	1,887	1,498	1,281	1,267	1,227	1,226	975	1,304	28,527
LAKE	279	291	266	149	117	266	280	231	295	299	213	214	177	179	186	156	166	166	3,664
LANE	9,392	9,988	8,795	5,690	4,519	10,209	12,461	13,424	11,945	10,273	9,223	6,786	5,174	4,897	4,785	5,395	3,862	5,100	131,709
LINCOLN	1,210	1,284	1,094	654	446	1,100	1,263	1,338	1,533	1,601	1,251	912	809	808	955	997	922	1,231	18,308
LINN	3,201	3,362	3,133	2,081	1,293	3,374	3,398	3,287	3,555	3,621	2,842	2,261	1,807	1,712	1,679	1,958	1,484	2,007	42,681
MALHEUR	1,170	1,189	1,015	584	392	976	1,056	1,061	957	886	702	585	532	547	548	619	499	691	13,033
MARION	8,393	8,636	7,364	4,659	2,884	7,543	7,951	9,142	9,842	9,086	7,049	5,262	4,382	3,903	3,912	4,812	3,138	4,884	105,299
MORROM	358	362	338	214	113	327	343	296	341	327	253	216	198	178	164	108	119	145	4,073
MULTNOMAH	20,910	20,153	15,101	9,401	6,513	15,914	17,136	23,994	30,899	29,087	19,780	13,262	10,794	11,074	11,873	9,755	8,749	12,700	271,181
POLK	1,623	1,792	1,649	1,102	685	1,787	1,700	1,887	1,890	1,839	1,503	1,154	950	930	844	835	706	1,080	22,169
SHERMAN	63	77	84	43	28	71	89	68	97	79	59	51	40	52	66	46	56	52	1,050
TILLAMOOK	669	763	678	404	283	687	754	687	813	891	650	500	421	482	543	553	541	704	10,336
UMATILLA	2,520	2,584	2,101	1,221	782	2,003	2,059	2,276	2,512	2,370	1,794	1,429	1,194	1,189	1,189	1,133	954	1,316	28,623
UNION	850	1,003	931	563	347	910	865	995	962	901	735	596	463	447	419	447	405	579	11,508
WALLOMA	242	312	222	130	98	228	293	232	281	298	199	194	169	188	155	162	148	225	3,548
WASCO	758	805	758	476	281	757	755	629	767	816	633	560	427	406	453	475	396	607	9,982
WASHINGTON	10,981	10,825	10,159	6,857	4,103	10,960	10,348	10,668	13,474	13,413	11,441	8,310	6,292	5,328	5,032	3,786	2,758	3,681	137,456
WHEELER	35	38	47	34	17	51	68	49	34	42	49	36	31	44	34	35	44	59	696
YAMHILL	2,363	2,572	2,303	1,471	782	2,253	2,174	2,529	2,290	2,123	1,850	1,442	1,150	1,094	1,026	1,128	914	1,325	28,536
STATE	98,346	102,721	90,813	59,308	39,228	98,536	103,541	109,192	119,268	117,116	93,245	70,128	56,357	53,421	53,559	53,493	42,000	57,446	1,319,182

Prepared by the Center for Population Research and Census, Portland State University, August 1987.

TABLE 7-3. PRELIMINARY ESTIMATES OF 5-YEAR AGE GROUPS BY SEX, OREGON AND ITS COUNTIES, JULY 1, 1987.

	0-4	5-9	10-14	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75+	Female All Ages
BAKER	509	542	444	324	198	522	467	512	563	474	413	365	361	379	420	409	781	7,724
BENTON	2,121	2,187	1,936	1,287	3,364	3,651	3,197	2,655	2,214	2,080	1,592	1,221	1,211	1,139	1,117	835	1,725	34,283
CLACKAMAS	8,176	9,363	9,775	6,910	3,908	10,818	8,487	9,647	11,464	10,426	7,813	6,005	5,697	5,668	5,077	3,943	7,249	129,591
CLATSOP	1,109	1,185	1,006	645	408	1,053	1,174	1,447	1,319	1,005	797	657	707	800	810	851	1,474	16,826
COLUMBIA	1,225	1,489	1,489	984	564	1,548	1,411	1,322	1,454	1,297	960	759	790	768	692	687	1,138	18,245
COOS	1,933	2,106	1,839	1,170	747	1,917	1,991	1,322	2,254	1,747	1,526	1,348	1,343	1,359	1,661	1,392	2,312	29,169
CROOK	459	525	480	315	184	499	475	491	548	424	363	309	318	316	404	302	466	6,884
CURRY	474	570	433	274	216	490	639	584	619	515	425	425	403	518	822	592	785	8,786
DESCHUTES	2,344	2,603	2,346	1,583	2,483	2,134	2,990	2,880	2,931	2,255	1,712	1,337	1,216	1,326	2,099	1,256	1,809	33,121
DOUGLAS	3,160	3,558	3,259	2,114	1,289	3,403	3,499	3,414	3,736	3,029	2,465	2,156	2,205	2,133	2,427	1,873	2,967	46,961
GILLIAM	66	66	47	28	30	58	58	73	59	58	47	44	64	49	48	41	79	932
GRANT	288	322	275	184	120	304	313	336	335	252	255	213	209	164	195	164	285	4,257
HARNEY	249	276	274	173	109	282	250	249	266	225	192	167	161	148	138	123	232	3,537
HOOD RIVER	644	666	550	320	236	556	548	661	644	515	409	368	419	368	339	330	582	8,172
JACKSON	4,733	5,025	4,838	3,250	1,852	5,102	4,944	5,680	5,813	4,853	3,717	3,073	3,056	3,192	4,008	2,914	5,099	71,862
JEFFERSON	610	548	468	291	169	460	455	389	412	398	276	267	229	233	242	233	281	5,850
JOSEPHINE	1,876	2,055	1,893	1,216	845	2,061	2,304	2,052	2,490	2,109	1,672	1,393	1,437	1,640	2,303	1,694	2,690	31,847
KLAMATH	2,043	2,041	1,783	1,219	825	2,044	2,144	2,276	2,364	1,794	1,501	1,312	1,299	1,343	1,291	1,138	1,796	28,573
LAKE	268	281	263	172	95	267	265	233	298	262	203	187	203	178	150	134	238	3,636
LAKE	9,024	9,543	8,213	5,329	4,394	9,723	11,855	14,138	10,005	8,921	6,768	5,305	5,221	5,465	6,512	4,737	8,320	135,991
LINCOLN	1,163	1,264	1,026	652	444	1,096	1,201	1,684	1,560	1,184	879	829	953	1,172	1,212	1,127	1,703	19,292
LINN	3,075	3,253	2,975	1,933	1,222	3,155	3,266	3,420	3,525	2,804	2,317	1,807	1,869	1,911	2,310	1,810	3,062	44,319
MALHEUR	1,125	1,122	945	598	362	960	1,036	987	926	765	600	568	638	638	660	531	1,000	13,467
MARION	8,064	8,249	7,117	4,365	2,719	7,084	7,435	8,852	9,351	6,795	5,293	4,434	4,423	4,595	5,848	4,301	8,536	109,201
MORROW	344	329	304	204	113	312	312	334	319	239	216	192	179	168	115	119	187	3,927
MULTNOMAH	20,090	19,154	14,418	9,008	6,285	15,293	16,926	26,251	27,711	18,812	13,233	11,327	12,268	13,947	12,253	12,140	25,620	290,819
POLK	1,560	1,714	1,462	1,016	608	1,624	1,644	2,000	1,909	1,526	1,162	1,012	995	1,012	955	889	1,859	23,631
SHERMAN	61	93	66	38	36	74	89	74	76	59	48	46	61	70	41	58	73	1,050
TILLAMOOK	643	777	601	378	266	644	726	825	812	608	514	446	544	580	686	642	948	10,664
UMATILLA	2,422	2,460	2,049	1,303	809	2,112	2,035	2,276	2,259	1,714	1,397	1,262	1,232	1,353	1,274	1,122	2,041	29,477
UNION	817	922	859	542	301	843	813	1,074	950	717	584	494	447	436	586	440	879	11,792
WALLOWA	233	283	217	155	88	243	249	275	266	214	184	165	202	194	174	181	309	3,602
WASCO	728	721	680	426	273	699	737	700	837	653	494	440	486	510	540	497	934	10,418
WASHINGTON	10,550	10,344	9,743	6,431	3,951	10,382	9,927	11,345	14,114	11,522	8,182	6,149	5,783	5,695	4,586	3,703	6,656	142,544
WHEELER	33	49	39	31	24	55	60	41	47	45	44	37	45	34	34	34	64	704
YAMHILL	2,270	2,481	2,217	1,375	807	2,182	2,046	2,622	2,193	1,867	1,354	1,216	1,171	1,228	1,361	1,142	2,163	29,864
STATE	94,489	98,166	86,329	56,243	37,761	94,004	98,906	111,939	121,224	115,992	69,607	57,335	57,845	60,760	63,407	52,415	96,342	1,370,818

Prepared by the Center for Population Research and Census, Portland State University, August 1987.

TECHNICAL NOTES

Library of Congress

DEFINITIONS

BIRTHS

APGAR SCORE is a numerical expression of the condition of a newborn shortly after birth. It is the sum of points accumulated upon assessment of the heart rate, respiratory effort, muscle tone, reflex irritability, and color. The highest possible score is ten. A low Apgar score (seven or less) measured five minutes after birth indicates the infant is at increased risk of morbidity and mortality.

BIRTHS TO UNWED MOTHERS RATIO is the number of births to unwed mothers per 1,000 live births.

CRUDE BIRTH RATE is the number of live births per 1,000 total population.

LIVE BIRTH is the complete expulsion or extraction from its mother of a product of conception, irrespective of the duration of pregnancy, which, after such a separation, breathes or shows any other evidence of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles, whether or not the umbilical cord has been cut or the placenta is attached; each product of such a birth is considered live born.¹

LOW BIRTHWEIGHT INFANT is a live born infant with a birthweight less than 5 1/2 (2,500 grams) as reported on the birth certificate.

DEATHS

CRUDE DEATH RATE is the number of deaths per 1,000 total population.

FETAL DEATH is death prior to the complete expulsion or extraction from its mother of a product of conception of at least 20 weeks gestation, except where such expulsion results from a therapeutic abortion; the death is indicated by the fact that after such separation, the fetus does not breathe or show any other evidence of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.

INFANT DEATH is the death of a child prior to the first birthday.

INFANT DEATH RATE is the number of infant deaths per 1,000 live births.

¹ Vital statistics of the United States, 1982, vol. 1, section 4, page 1, U.S. Department of Health and Human Services, Public Health Service, National Center for Health Statistics, Maryland, 1986.

MATERNAL DEATH RATE is the number of female deaths attributed to childbirth or to complications of pregnancy or the puerperium per 100,000 live births.

NEONATAL DEATH is the death of a child within the first 27 days of life.

NEONATAL DEATH RATE is the number of neonatal deaths per 1,000 live births.

PERINATAL DEATH is the death of a fetus after 20 weeks gestation or the death of a live-born infant prior to the 28th day of life. Other medical literature may include different time periods.

PERINATAL DEATH RATE is the number of perinatal deaths per 1,000 total of fetal deaths plus live births.

MEDICAL PERSONNEL

C.N.M. denotes Certified Nurse Midwife.

D.C. denotes Doctor of Chiropractic Medicine. Chiropractic being a system of therapeutics based upon the claim that disease is caused by abnormal function of the nerve system. It attempts to restore normal function of the nerve system by manipulation and treatment of the structures of the human body, especially those of the spinal column.²

D.O. denotes Doctor of Osteopathic Medicine. Osteopathy being a system of therapy founded by Andrew Taylor Still (1828-1917) and based on the theory that the body is capable of making its own remedies against disease and other toxic conditions when it is in normal structural relationship and has favorable environmental conditions and adequate nutrition. It utilizes generally accepted physical, medicinal, and surgical methods of diagnosis and therapy, while placing chief emphasis on the importance of normal body mechanics and manipulative methods of detecting and correcting faulty structure.²

M.D. denotes Medical Doctor.

N.D. denotes Naturopathic Doctor. Naturopathy being a system of therapy without using drugs and utilizing physical forces such as air, light, water, heat, massage, etc.²

R.N. denotes Registered Nurse.

² Definition from Dorland's Illustrated Medical Dictionary. W.B. Saunders Co. Philadelphia. 1965.

STEP-BY-STEP INSTRUCTIONS

Data users are diverse, including public-health officials evaluating a program by using death data, demographers projecting school enrollments with birth data, and business people deciding to open a formal-wear shop based on marriage data. Many of these users have a thorough knowledge of statistics. But others find the entire subject-matter confusing and intimidating. For either group, a misunderstanding of what vital statistics mean can lead to wrong conclusions. Therefore, this section is included to provide an overview of how to use vital statistics. It is addressed to the person looking at vital events for the first time, but the experienced user may also find a review helpful.

STEP 1: FINDING THE CORRECT NUMBER

The first step is to determine how many of a particular vital event took place during the year. This involves asking two questions:

Which event or events are appropriate?

DEATHS
INFANT DEATHS
NEONATAL DEATHS
POST-NEONATAL DEATHS
FETAL DEATHS
LOW BIRTH WEIGHT INFANTS
PREGNANCIES
INDUCED ABORTIONS
MARRIAGES
ANNULMENTS
DIVORCES

This may not be as simple as it sounds. For one thing, examining more than one type of event may be required. For example, a researcher who is concerned with teenage pregnancies will have to consider abortions and fetal deaths, not simply the number of births.

Deciding which events to use is important since sometimes the choice of one event over another can lead to vastly different conclusions. Consider the

researcher who asks, "Have we substantially reduced the likelihood of death for babies?" If the researcher looks at neonatal deaths (babies who die before they are 28 days old), the answer is yes, while for post-neonatal deaths (those between 28 days and one year), the answer is no.

To determine which events are appropriate, read the definitions section of "How to Use Vital Statistics." The narratives also contain useful examples.

Who should be counted?

If you are a hospital planner who is deciding to expand or contract delivery services, you want to count the number of births which occurred in your area, regardless of where the parents live. If you are projecting school enrollment, you want to count only how many children will potentially be residing in your area. Fortunately, vital events are usually reported so that both of these data needs can be met.

OCCURRENCE DATA

The event (the death, birth, marriage, etc.) actually took place in the geographic region indicated (either Oregon or a particular county). The person participating in the event may have lived in Podunk, New York.

RESIDENCE DATA

The person involved in the event lived in the geographic region mentioned, but the event itself may have taken place anywhere in the United States or Canada. In other words, a resident of Marion county who died in an accident while on vacation in Michigan has been added to the Marion county resident death figure.

When in doubt about which type of data to use, resident figures are usually the best choice. Most birth and death data are published by residence, which means that comparisons with other states or the United States as a whole will be easier. Exceptions to this rule are listed in the individual sections.

Once the right event has been determined, and the choice between occurrence and residence data has been made, the statistician can find the correct figures in the table(s) in this book. If the needed table is not listed, contact the Center for Health Statistics for more information.

STEP 2: MAKING THE NUMBER MEANINGFUL WITH RATES AND RATIOS

In many instances simply knowing the number of events is not sufficient. A. Bradford Hill expressed this important statistical concept:



"It is well recognized that white sheep eat more than black sheep -- because there are more of them."



For example, we know more people died in Multnomah County than in Wheeler County, because Multnomah County has a much larger population. But what is the likelihood of dying in each county?

In order to answer this question, statisticians calculate rates. This means that the number of events which occurred is compared to the population for which that event could have occurred, and the figure is then standardized to some number (such as 1,000 or 100,000) for convenience.

Here is an example:

$$\text{CRUDE DEATH RATE} = \frac{\text{DEATHS}}{\text{POPULATION}} \times 1,000$$

*the number of
people who could
have died*

*a number picked by vital
statisticians to eliminate
decimal points*

The more specifically a statistician can define the "population at risk" (the denominator or bottom part of the formula), the more meaningful the rate is. For example, the crude birth rate, which compares the number of births to the population, is not nearly as informative as the fertility rate, which uses only the number of women of childbearing age (15-44) for comparative purposes. The fertility rate is not distorted by changes in the number of men or pre-pubescent or post-menopausal women in the population. (The turn of the century notion that only married women between the age of 15 and 44 would be considered at risk of pregnancy has been abandoned for obvious reasons.)

Unfortunately we do not always have the correct denominator for the equation. In these situations a substitute is used. For example, how many people are at risk of getting divorced? The number of married people is only available for census years. As a substitute, the crude divorce rate is calculated using the total population regardless of marital status. In other situations, the event is simply compared to another related number. For instance, the abortion ratio compares the number of abortions to the number of births. This is easier and more accurate than trying to determine the true denominator, which is the total number of pregnant women.

When calculating rates and ratios, great care must be taken to make certain that the appropriate time periods, geographical boundaries, and populations are used.

STEP 3: COMPARING TWO OR MORE NUMBERS

Numbers are more meaningful when they are converted into rates and ratios. But problems can arise when rates or ratios are compared for different geographical areas, different time periods, or different categories such as men versus women.

Chance variation

Statisticians expect a certain amount of chance variation and have methods to take this into account. The confidence interval uses the number of cases and their distributions to determine what the rate "really is." For example, a statistician will say, "We are 95% sure that the true infant death rate for Oregon in 1986 was 9.47 ± 0.97 , that is, it lies somewhere between 8.50 and 10.44." If two rates have overlapping confidence intervals, then the difference between them may be due to this chance variation. In other words the difference is not statistically significant. Thus Multnomah County's infant death rate, 8.81 ± 1.97 , is shown not to be statistically different from the state rate:



When comparing rates and ratios, differences should be tested for statistical significance. Formulas are listed in the appendix.

Small numbers

Chance variation is a common problem when the numbers being used to calculate rates are extremely small. Large swings often occur in the rates which do not reflect real changes. Consider Wasco county's infant mortality rates for a five year period.

WASCO COUNTY

<u>YEAR</u>	<u>BIRTHS</u>	<u>INFANT DEATHS</u>	<u>INFANT DEATH RATES</u>
1981	308	0	-
1982	345	3	8.7
1983	341	4	11.7
1984	350	5	14.3
1985	291	2	6.9
1981-1985	1,635	14	8.6

The overall rate of 9.3 is quite close to the state rate for the same time period (10.6). Yet for some years the rate is half again or more as high as the rate of other years simply because two additional infants died. Public health officials would waste a good deal of energy reacting to these annual rates.

Many rates based on small numbers are published in this book because readers demand them. But anyone preparing to make important decisions based on these rates should be wary. Consider this rule of thumb: a rate based on 20 cases has a 95% confidence interval about as wide as itself (the interval for a rate of 50 is between 25 and 75). Even large differences between two rates based on 20 cases or less are probably not statistically significant.

If 20 is too few, how many cases are sufficient to say that a true difference exists? Unfortunately we have no easy rules for this. To be safe, the vital statistician should always try to combine several years of data or consolidate geographical areas. Confidence intervals should be calculated, and differences should be tested for statistical significance.

Changes in measurement

Another problem is that the numbers being compared have not always been based on the same type of measurement. Definitions, population estimates, certificates, and coding procedures change from time to time as the need arises. This can create "artificial" differences and can disguise "real" differences. The cause-of-death item provides an excellent example of changes in comparability:

During the late 1970's approximately 80 to 85 people died each year due to hypertensive disease.

RATE = 3.3 PER 100,000 POPULATION

In 1979, 250 people died from this cause.

RATE = 9.8 PER 100,000 POPULATION

It appears that the incidence of hypertensive disease increased. But actually, a new coding scheme resulted in more deaths being coded as due to hypertensive disease.

Taking age, sex, and race into account

Mr. G. C. Whipple noted in 1923 that, "We might find that the death rate of bank presidents was higher than that of newsboys; but this would not be because of different occupations, but because of different ages." We expect older people to die at a higher rate than younger people. We also expect people in their twenties to have more babies than the very young or the very old. Sex and race, as well as age, affect rates drastically.

When comparing two places or two points in time, it is necessary to take these influencing characteristics into account. Here is an example:

The crude death rate increased between 1950 and 1960 from 9.1 to 9.5 deaths per thousand. But an examination of the death rates for each age group indicates that these all decreased. This contradiction is explained by the fact that in 1960 a larger proportion of the population was concentrated in the older age groups where death rates are higher.

	1950	1960
CRUDE DEATH RATE	9.1	9.5
AGE SPECIFIC DEATH RATES		
0 - 4	5.9	5.7
5 - 14	0.6	0.4
15 - 24	1.5	1.1
25 - 44	2.4	2.1
45 - 64	11.1	10.6
65+	58.4	56.8

Before comparing two places or two time periods, always compare the population characteristics first. If discrepancies are noted in any relevant variables, then the rates should be adjusted or standardized in order to make the comparisons free of differences in the structure of the populations. The formulas for doing this are listed in the appendix.

STEP 4: ANALYZING THE DATA

The first three steps have been fairly mechanical:

- (1) Choose the correct events and the correct group to determine the number of events which took place for the geographical areas and time periods.
- (2) Calculate the rates.
- (3) Compare these rates to determine if the differences are statistically significant.

NOW the vital statistician must begin to ask the difficult questions. If we find that two rates are statistically significantly different, how can we find out why they are different? If the differences which we expected did not prove to be significant, is there another item which perhaps is masking an actual difference? Frequently the statistician has to refine the research question and begin all over again.

HELP

Several sources of help are available. Many of the widely used rates and ratios are presented in the Quick Reference section, and narratives and figures are included throughout the book to illustrate changes. And finally, the staff of the Center for Health Statistics are available for data users who need assistance.



FORMULAS

GENERAL

$$\text{PERCENT CHANGE} = \frac{\text{Old Data} - \text{New Data}}{\text{Old Data}} \times 100$$

$$\text{Birth rate, Oregon, 1984} = 14.9$$

$$\text{Birth rate, Oregon, 1985} = 14.7$$

$$\text{Percent change} = \frac{14.9 - 14.7}{14.9} \times 100 = -1.3\%$$

PREGNANCY

$$1. \text{ (CRUDE) BIRTH RATE} = \frac{\text{Resident Births}}{\text{Population}} \times 1,000$$

$$\text{Oregon, 1985} = \frac{39,419}{2,675,800} \times 1,000 = 14.7$$

$$2. \text{ AGE SPECIFIC BIRTH RATE} = \frac{\text{Resident Births to Mothers in Age Category}}{\text{Female population in Age Category}} \times 1,000$$

$$\text{Oregon, 1985, Age 20-24} = \frac{11,815}{106,737} \times 1,000 = 110.7$$

$$3. \text{ FERTILITY RATE} = \frac{\text{Resident Births to Mothers Aged 15-44}}{\text{Female population Aged 15-44}} \times 1,000$$

Note: Some publications use the following: $\frac{\text{All resident births}}{\text{Female population Aged 15-44}}$

$$\text{Oregon, 1985} = \frac{39,364}{632,737} \times 1,000 = 62.21$$

$$4. \text{ TOTAL FERTILITY RATE} = \text{Age-specific Birth Rates in 5 year Categories between 15 and 44}$$

$$\text{Oregon, 1985} = 5 (42.8 + 111.2 + 110.8 + 65.6 + 21.2 + 3.4) = 1,775.0$$

$$5. \text{ FETAL DEATH RATE} = \frac{\text{Resident Fetal Deaths of 20 or More Weeks Gestation}}{\text{Resident Births}} \times 1,000$$

Note: Publications vary in the gestation cutoff for fetal deaths.
The following formula is sometimes used.

$$\frac{\text{Resident Fetal Deaths}}{\text{Resident Births} + \text{Resident Fetal Deaths}} \times 1,000$$

$$\text{Oregon, 1985, Residents} = \frac{237}{39,419} \times 1,000 = 6.0$$

$$6. \text{ ABORTION RATIO} = \frac{\text{Resident Abortions}}{\text{Resident Births}} \times 1,000 \text{ OR } \frac{\text{Occurrence Abortions}}{\text{Occurrence Births}} \times 1,000$$

$$\text{Oregon, 1985, Occurrence} = \frac{12,056}{40,778} \times 1,000 = 295.6$$

$$7. \text{ ABORTION RATE} = \frac{\text{Resident Abortions or Occurrence Abortions}}{\text{Female Resident Population Aged 15-44}} \times 1,000$$

$$\begin{aligned} \text{Oregon, 1985, Occurrence} &= \frac{11,933}{632,737} \times 1,000 = 18.9 \\ \text{with total adjusted for} & \\ \text{not stated ages.} & \end{aligned}$$

DEATHS

$$8. \text{ (CRUDE) DEATH RATE} = \frac{\text{Resident Deaths}}{\text{Population}} \times 1,000$$

$$\text{Oregon, 1985} = \frac{23,824}{2,675,800} \times 1,000 = 8.9$$

$$9. \text{ INFANT DEATH RATE} = \frac{\text{Resident Infant Deaths}}{\text{Resident Births}} \times 1,000$$

$$\text{Oregon, 1985} = \frac{387}{39,419} \times 1,000 = 9.8$$

$$10. \text{ NEONATAL DEATH RATE} = \frac{\text{Resident Neonatal Deaths}}{\text{Resident Births}} \times 1,000$$

$$\text{Oregon, 1985} = \frac{211}{39,419} \times 1,000 = 5.4$$

$$11. \text{ POST-NEONATAL DEATH RATE} = \frac{\text{Resident Post-Neonatal Deaths}}{\text{Resident Births}} \times 1,000$$

$$\text{Oregon, 1985} = \frac{176}{39,419} \times 1,000 = 4.5$$

$$12. \text{ CAUSE-SPECIFIC DEATH RATE} = \frac{\text{Resident Deaths Due to Specific Cause}}{\text{Population}} \times 100,000$$

$$\text{Oregon, 1985, Heart Disease} = \frac{8,192}{2,675,800} \times 100,000 = 306.2$$

$$13. \text{ AGE-SEX SPECIFIC DEATH RATE} = \frac{\text{Resident Deaths in Age-Sex Category}}{\text{Population in Age-Sex Category}} \times 100,000$$

$$\text{Oregon, 1985, Males Aged 5-14} = \frac{54}{194,963} \times 100,000 = 27.7$$

MARRIAGE AND DIVORCE

$$14. \text{ MARRIAGE RATE} = \frac{\text{Marriages}}{\text{Population}} \times 1,000$$

$$\text{Oregon, 1985} = \frac{22,408}{2,675,800} \times 1,000 = 8.4$$

$$15. \text{ AGE-SPECIFIC MARRIAGE RATE} = \frac{\text{Marriages of Grooms in Specific Age Group}}{\text{Population of Males in Specific Age Group}} \times 1,000$$

$$\text{Oregon, 1985, Grooms Aged 20-24} = \frac{6,493}{106,228} \times 1,000 = 61.1$$

$$\frac{\text{Marriages of Brides in Specific Age Group}}{\text{Population of Females in Specific Age Group}} \times 1,000$$

$$\text{Oregon, 1985, Brides Aged 20-24} = \frac{7,416}{111,398} \times 1,000 = 66.6$$

$$16. \text{ DIVORCE RATE} = \frac{\text{Divorces}}{\text{Population}} \times 1,000$$

$$\text{Oregon, 1985} = \frac{15,736}{2,675,800} \times 1,000 = 5.9$$

CALCULATING CONFIDENCE INTERVALS FOR RATES

To determine the confidence interval for a rate, two numbers are needed: (1) the numerator (the number of events) and (2) the denominator. If the rate is an infant, neonatal, or post-neonatal mortality rate or a rate for a characteristic of births, the denominator is the number of births. Otherwise the denominator is a population figure. Use this formula:

$$\frac{1,000}{\text{denominator}} (\text{events} \pm 1.96\sqrt{\text{events}}) = \text{rate} \pm \text{confidence interval}$$

*NOTE: If comparing rates in which there are more than 100 events (for example deaths for ages over 65)

then $1.96\sqrt{\text{events}}$ should be replaced with: $1.96\sqrt{\text{events} \left(1 - \frac{\text{events}}{\text{denominator}}\right)}$

Example: What is the confidence interval for Benton County's low birth weight infant rate for 1985?

In 1985, Benton County had 27 out of 892 babies that were born weighing less than 2,500 grams.

$$\begin{aligned} \text{Benton Confidence Interval} &= \frac{1,000}{892} (27 \pm 1.96\sqrt{27}) \\ &= 1.121 (27 \pm 10.18) \\ &= 30.27 \pm 11.41 \end{aligned}$$

We are 95 percent sure that the low-birth weight rate for Benton County is between 18.86 and 41.68.

DETERMINING STATISTICAL SIGNIFICANCE FOR RATES

To determine if the difference between two rates is significant use the confidence intervals for the rates in this formula:

Difference between the two rates $\pm \sqrt{1^{\text{st}} \text{ Confidence Interval}^2 + 2^{\text{nd}} \text{ Confidence Interval}^2}$

If the interval obtained from this calculation does not include 0 then the difference is statistically significant at the 95 percent level.

Example: Is the difference between Benton County's low birth weight rate and the State rate statistically significant?

Based on the formula for confidence intervals:

Oregon low-birth weight rate is 50.50 ± 2.20
 Benton low-birth weight rate is 30.27 ± 11.41

Using the formula for determining statistical significance:

$$\begin{aligned} (50.50 - 30.27) \pm \sqrt{2.20^2 + 11.41^2} \\ 20.23 \pm \sqrt{4.84 + 130.19} \\ 20.23 \pm \sqrt{135.03} \\ 20.23 \pm 11.62 \end{aligned}$$

The interval is between 8.61 and 31.85. Since zero does not fall between these two numbers, the difference between the low-birth weight rates for Benton County and Oregon is statistically significant.

CALCULATING RATES ADJUSTED FOR SEX/AGE/RACE

When comparing rates and ratios, the influences of sex, age, and race differences in the populations must be taken into account. Comparing many different age-sex-race specific rates can be cumbersome. The following techniques are used by vital statisticians to summarize these rates into one number.

The direct adjusted rate applies each of the specific rates for a particular population (such as a county or an HSA) to a standard population distribution (such as the state).

The standard mortality ratio compares the number of deaths for a particular population (such as a county or an HSA) to the number of deaths which would be expected if some standard set of rates (such as the state or the U.S. rates) had occurred.

Life expectancy assumes that a theoretical group of babies would experience each of the current specific death rates. The average life expectancy is the mean number of years lived by these babies.

Each of these techniques has its advantages and disadvantages. The easiest to calculate is the direct adjusted rate. The following example shows how to adjust a county's death rate for sex so that it may be compared to the state rate.

$$\frac{\frac{\text{county male deaths}}{\text{county male population}} \times \text{state male population} + \frac{\text{county female deaths}}{\text{county female population}} \times \text{state female population}}{\text{Total State Population}} \times 1,000$$

The same logic can be used to adjust for age and/or race.

REFERENCES

For further information about calculating confidence intervals and adjusting rates see:

National Center for Health Statistics: Infant Mortality, by J. C. Kleinman, Statistical Notes for Health Planners, No. 2. Health Resources Administration, Washington, D.C., July 1976.

National Center for Health Statistics: Mortality, by J. C. Kleinman, Statistical Notes for Health Planners, No. 3. Health Resources Administration, Washington, D.C., July 1977.

SYMBOLS USED IN THIS REPORT

QUANTITY IS ZERO IN FREQUENCY TABLES..... -
 RATE OR PERCENT IS LESS THAN OR EQUAL TO 0.05..... 0.0
 DATA NOT AVAILABLE OR NOT APPLICABLE..... ---
 INSUFFICIENT DATA FOR COMPUTATION..... *

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